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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



February 1, 1984

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

PETER C. MYERS
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UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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BOB L. WHALEY, Supervisor

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125 So. State, Fed. Bldg.
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PROSPECTIVE WATER SUPPLIES

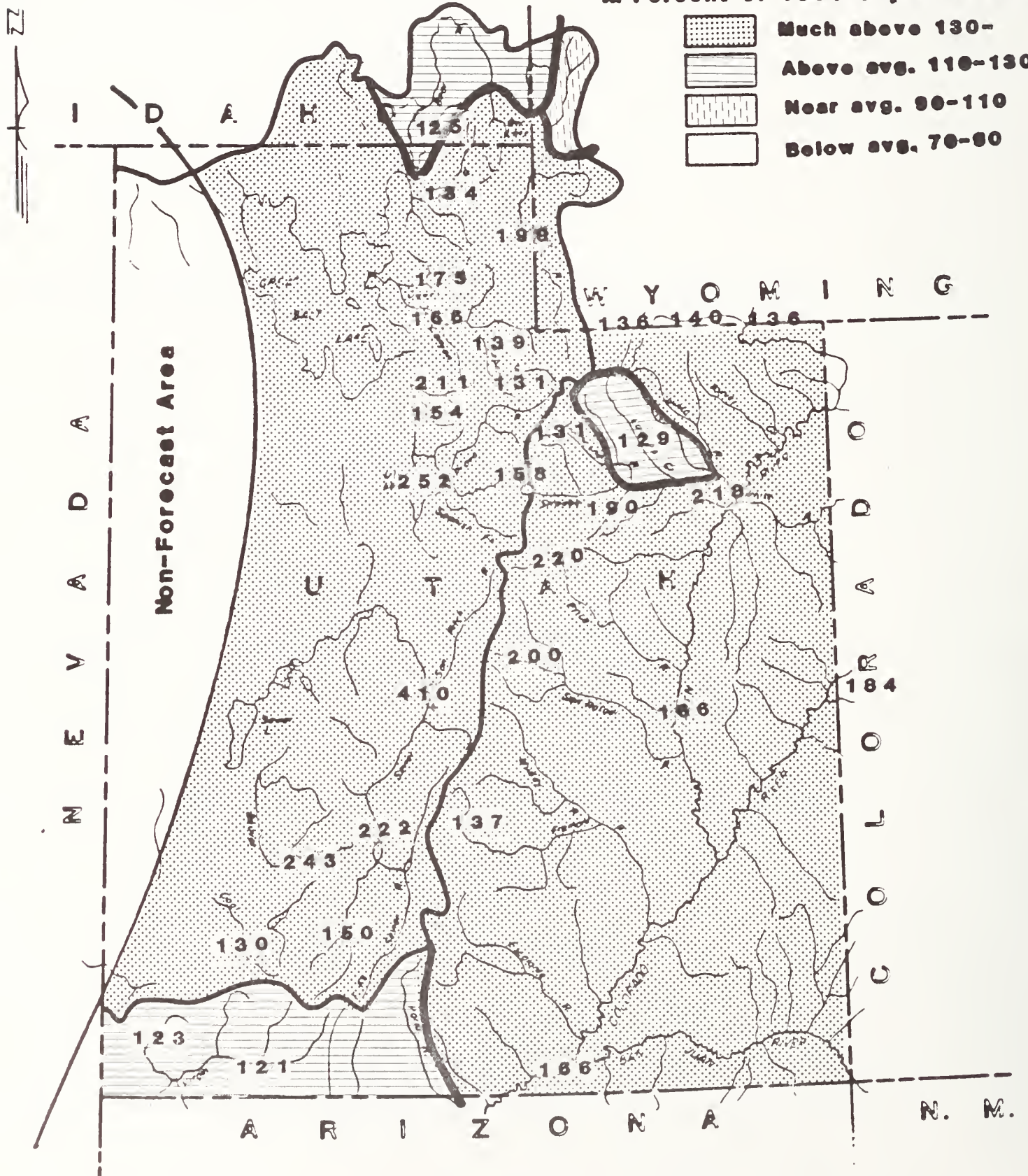
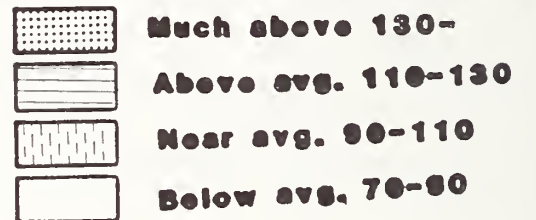
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

February 1, 1984

Approximate Date



FORECAST STREAM FLOW
in Percent of 1961-80, 20 Year Avg



WATER SUPPLY OUTLOOK

As of February 1, 1984

* * * * *
* Utah's 1984 Water Supply Outlook ranges from near *
* average to well above average. Snow cover ranges from *
* below average in south western Utah to twice average on *
* the Beaver and San Rafael Rivers. Watershed soils are *
* wetter than average and reservoir storage is generally *
* above average. Streamflow forecasts dropped signifi- *
* cantly after a dry month and now range from near *
* average to five times average. *
* * * * *

SNOW COVER

Snow measurements taken the last week of January show only 20 to 50% of the average monthly increase and now range from 37% of average in the south western corner of the state to 192% on the San Rafael and 201% on Beaver River. Basin snow water content percentages are as follows: Bear 141%, Ogden 145%, Weber 154%, Provo-Utah Lake 143%, Jordan-Salt Lake front 152%, Strawberry 149%, Duchesne 131%, Ashley 121%, Price 159%, Muddy 167%, Fremont 170%, Lower Sevier 176%, Upper Sevier 118%, Coal Creek 90%, Virgin 87%, Blue Mountains 86% and LaSal Mountains 134% of the February 1 average. Most areas of the state received less than half the normal January increase in snow water content and a few areas actually showed a little less than on January 1st.

PRECIPITATION

Precipitation at mountain stations generally ranged from 20 to 50% of average.

SOIL MOISTURE

Watershed soils are generally wetter than average and wetter than last year except on the head of the Sevier and Virgin Rivers.

RESERVOIR STORAGE

Reservoir storage in 28 key irrigation reservoirs is now 141% of the February 1 average and 63% of useable capacity. Many reservoirs have been releasing water to provide space for spring runoff and reduce peak flows below reservoirs.

(More)

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts dropped after a very dry January and now range from 121% on the Virgin to 538% on the Lower Sevier (Sigurd to Gunnison).

Forecasts by basin are as follows: Bear - 108% for Smith's Fork to 245% for Big Creek; Ogden - 172% for South Fork to 175% for Pineview Inflow; Weber - 131% at Oakley to 220% for East Canyon; Provo-Utah Lake - 160% for Provo at Hailstone to 252% for Utah Lake Inflow; Duchesne - 117% for Rock Creek to 218% for Duchesne at Myton; Price-San Rafael - 156% for Mill Creek to 229% for Price at Heiner; Sevier - 150% at Hatch to 538 for the Sigurd to Gunnison; Beaver 240% for North Creeks to 404% for Minersville Inflow; South Western Utah - 121% Virgin at Hurricane to 166% for Lake Powell Inflow. Coal Creek is foirecast 130% of the April-July average.

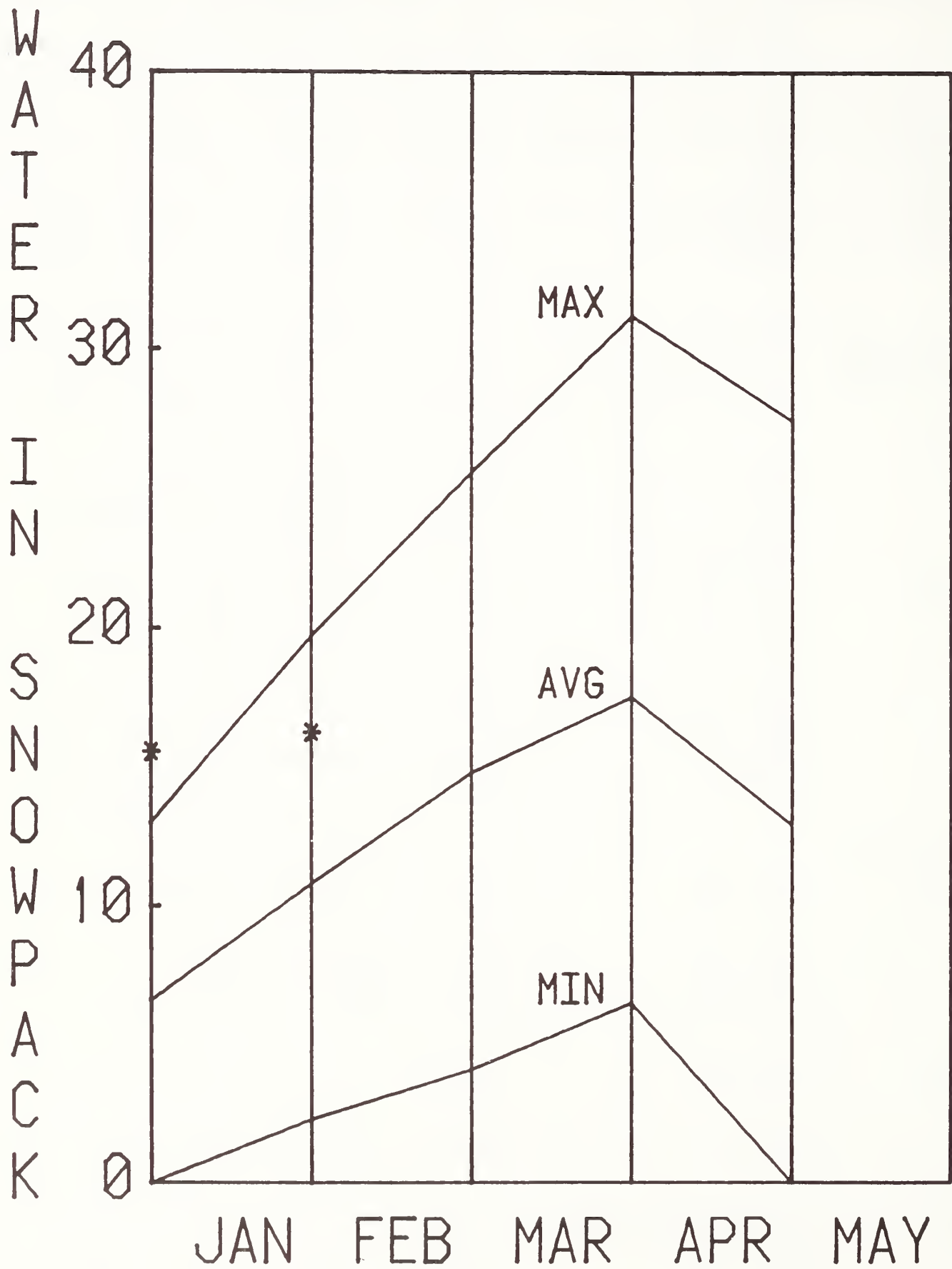
Peak flows this year are expected to range from near average on the Virgin to about twice average on the Beaver, San Rafael and Big Creek in northern Utah. Precautions should be taken to protect property along stream channels, around Utah Lake, and the Great Salt Lake again this year.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

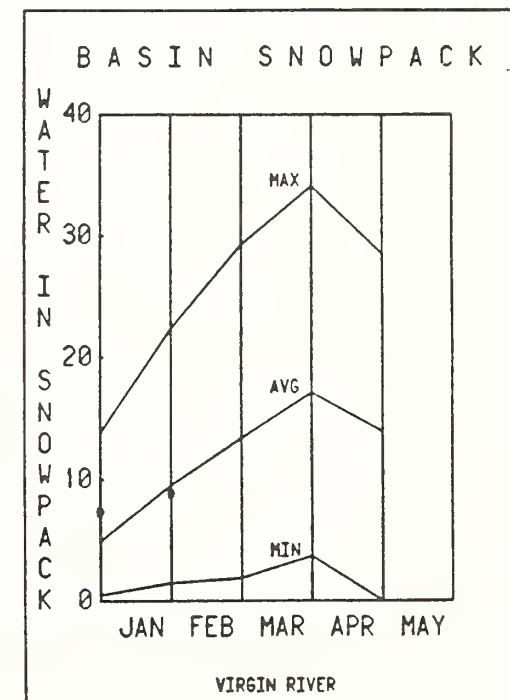
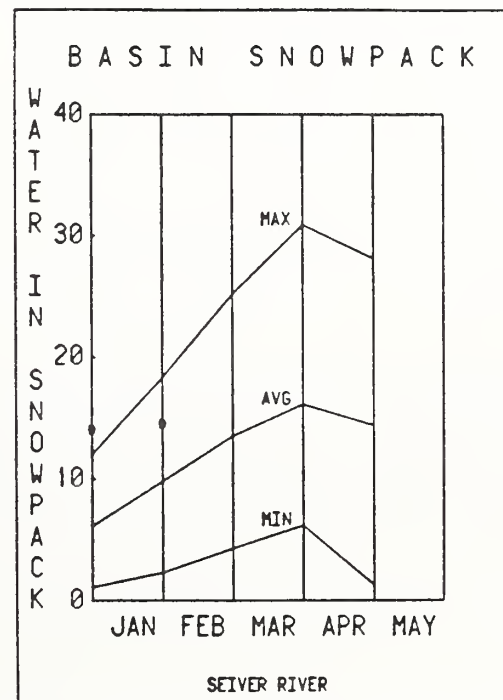
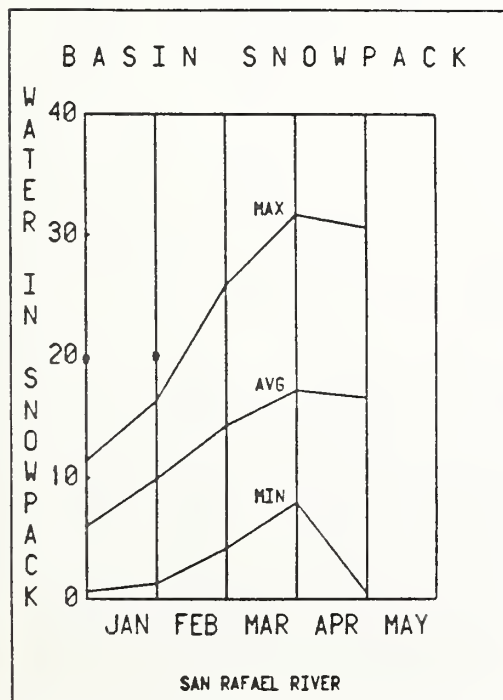
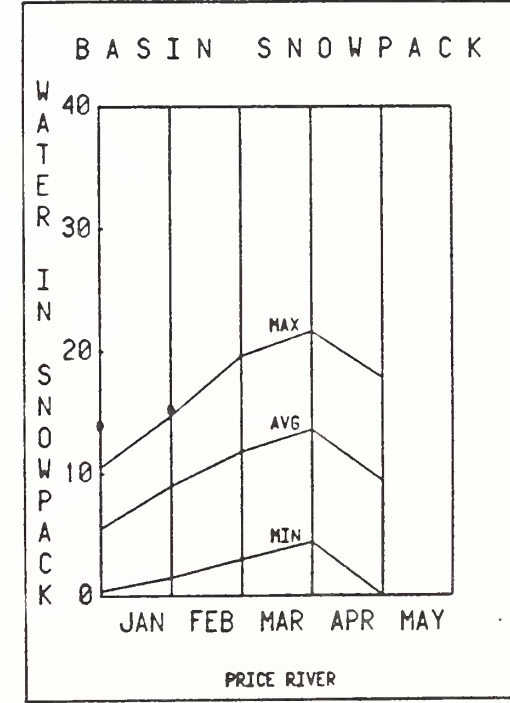
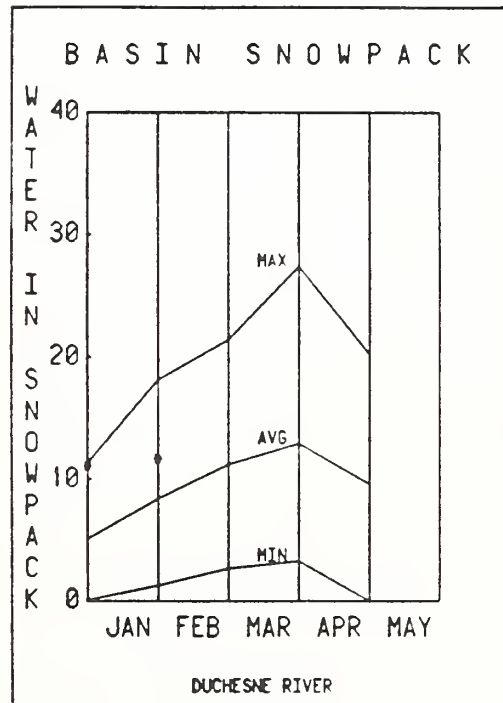
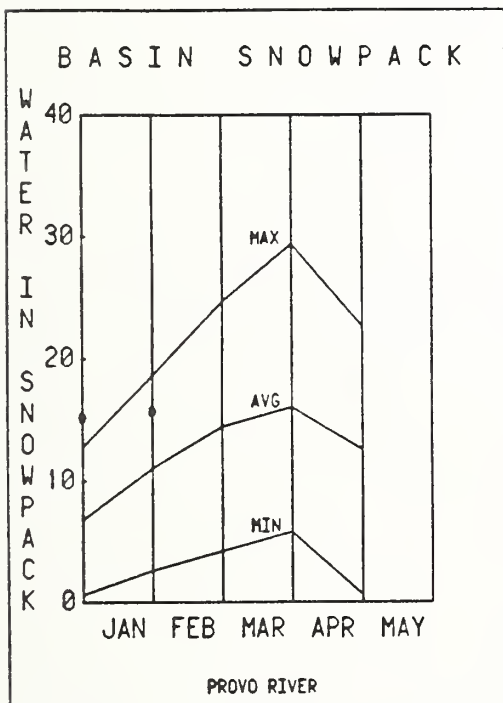
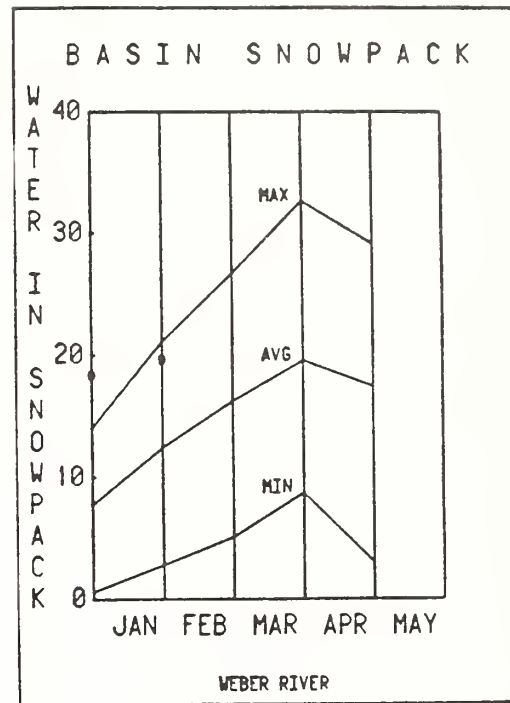
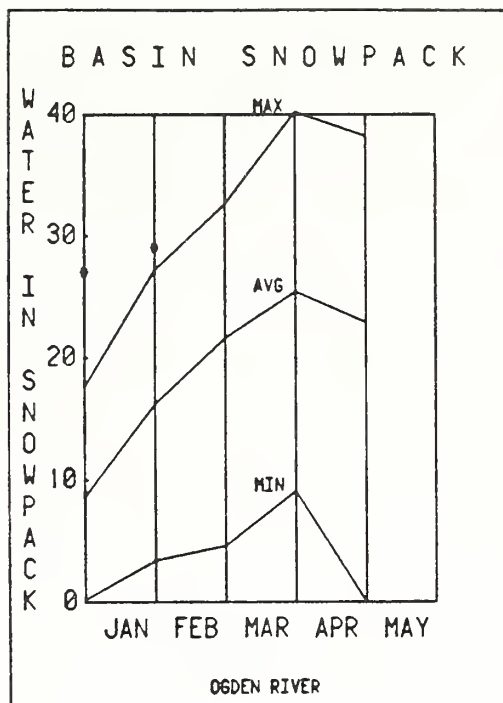
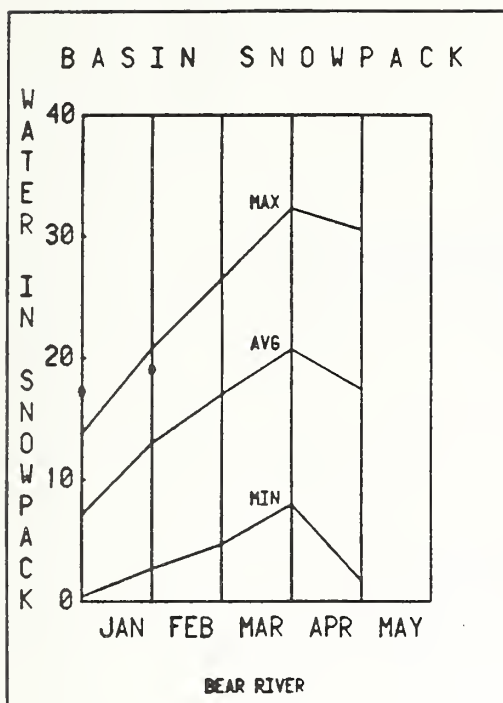
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1109.9	1140.6	970.6
	Woodruff Narrows	55.8	52.6	33.3	--
	Woodruff Creek	4.0	4.0	2.9	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	20.6	22.2	11.2
<u>Little Bear</u>	Hyrum	15.3	10.3	10.3	10.3
	Porcupine	11.3	5.2	4.7	2.9 ^b
<u>Ogden</u>	Causey	6.9	0.8	1.1	2.2 ^b
	Pineview	110.1	22.3	76.9	49.6 ^b
<u>Provo</u>	Deer Creek	149.7	124.5	111.6	94.3
<u>Settlement Creek</u>	Settlement Creek	1.2	0.5	1.0	0.7 ^b
	Vernon Creek	0.6		0.5	0.5 ^b
<u>Sevier River</u>	Gunnison	18.2	13.0	17.0	11.7 ^b
	Otter Creek	52.5	50.2	49.4	27.5
	Piute	71.8	68.3	60.4	36.9
	Sevier Bridge	236.0	210.1	222.0	101.1
	Panguitch Lake	22.3	20.3	--	--
<u>Spanish Fork</u>	Strawberry	270.0	270.0	247.0	139.7
<u>Utah Lake</u>	Utah Lake	883.9	1246.6	1047.6	648.6
<u>Weber</u>	East Canyon	48.1	20.1	40.7	34.7 ^b
	Echo	73.9	14.5	51.4	45.8
	Lost Creek	20.0	5.8	15.0	13.1 ^b
	Rockport	60.9	31.0	50.8	31.9
	Willard Bay	193.3	130.4	128.5	138.9 ^b
COLORADO R. BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	23.9	32.3	19.7 ^b
	Red Fleet	26.0	18.0	20.8	--
<u>Colorado</u>	Blue Mesa	829.5	494.6	538.2	--
	Lake Powell	25002.0	22013.0	22408.0	--
<u>Green</u>	Flaming Gorge	3749.0	3309.8	3214.8	--
<u>Lakefork</u>	Moon Lake	35.8	--	30.3	15.4
<u>Price River</u>	Scofield	65.8	48.3	52.9	31.3
<u>San Juan</u>	Navajo	1696.0	1461.8	1401.0	--
	Ken's Lake	2.3	1.7	0.8	--
<u>San Rafael</u>	Huntington North	3.9	2.8	3.7	2.3 ^b
	Joe's Valley	54.6	41.2	47.3	43.6 ^b
	Mill Site	16.7	12.5	12.8	3.5 ^b
<u>Strawberry</u>	Starvation	165.3	92.7	128.6	113.0 ^b
<u>Uintah</u>	Soldier Creek	951.4	0.0	--	--
	Bottle Hollow	11.3	11.1	11.1	10.2 ^b

b Average of past record in average period - less than 20 years
+ 1961-80 20 year average period

BASIN SNOWPACK



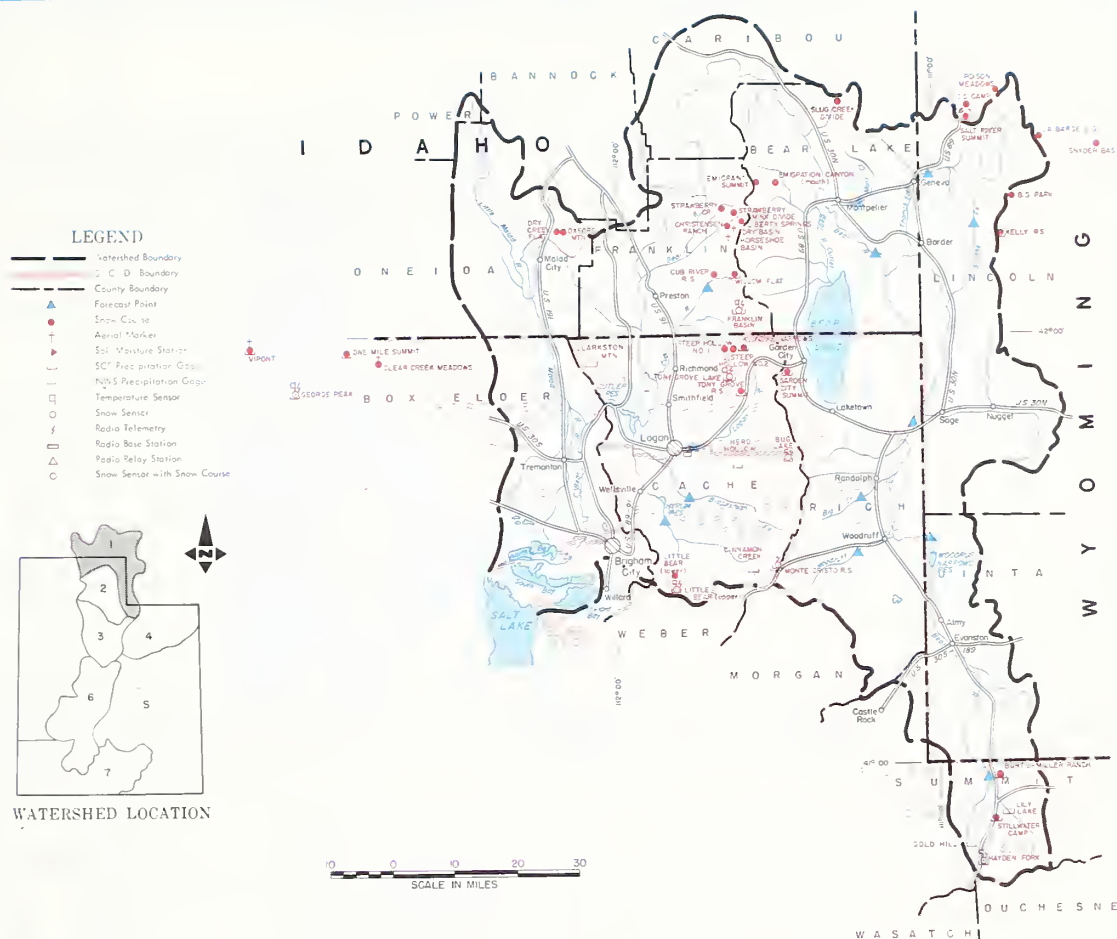
UTAH STATE WIDE



WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped after a dry January and now range from 124% on the Upper Bear to 146% on Lower Bear. Logan River is 143% of the February 1 average and 172% of last year at this time.

PRECIPITATION at mountain stations was less than half normal at all stations.

SOIL MOISTURE is well above average.

RESERVOIR STORAGE is still above average and some reservoirs have been releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped 17 to 80% after a very dry month and now range from 108% of average on Smith's Fork to 245% on Big Creek. Bear River is forecast 146% at Utah-Wyoming line, 199% at Woodruff, 203% at Randolph and 145% at Harer, Idaho after big drops on Smith's and Thomas Forks (115%). Woodruff Creek is forecast 156%, Cub River 125%, Logan River 134%, Blacksmith Fork 163% and Little Bear 158% of average.

Peak flows are expected to range from 125% of average on Logan River to 260% of average on Big Creek.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	161	146	Apr-July	164	110
Bear nr Woodruff 1/	277	199	Apr-July	275	139
Woodruff Crk nr Woodruff, UT	27	156	Apr-July	30	17.3 ^b
Big Creek nr Randolph, UT	13.0	245	Apr-July	--	5.3 ^b
Bear nr Randolph 1/	223	203	Apr-July	294	110
Thomas Fork nr ID-WY State Ln	40	115	Apr-Sept	--	35
Smith's Fork nr Border, WY	129	108	Apr-Sept	--	119
Bear at Harer, Idaho 1/	450	145	Apr-Sept	688	310
Logan nr Logan 1/	156	134	Apr-July	167	116
Blacksmith Fork nr Hyrum	83	163	Apr-July	87	51
Little Bear nr Paradise	60	158	Apr-June	80	38
Cub River nr Preston, ID	58	125	Apr-July	--	47

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	20	173	141
UPPER BEAR RIVER	6	171	124
LOWER BEAR RIVER	14	173	146
LOGAN RIVER	7	172	143

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 20 years
e - Maximum mean daily peak flow
+ - 1961-80 20 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1109.9	1140.6	970.6
	Woodruff Narrows	55.8	52.6	33.3	--
	Woodruff Creek	4.0	--	2.9	--
LITTLE BEAR	Hyrum	15.3	10.3	10.3	10.3
	Porcupine	11.3	5.2	4.7	2.9 ^b

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Bear nr. Ut.-Wyo. Stateline	2040-2420	1506
Woodruff Creek nr Woodruff	410-550	253
Big Creek nr Randolph	80-160	48 ^b
Logan River nr Logan	1070-1370	980
Little Bear nr Paradise	660-990	519

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Burts-Miller Ranch	1/30	20	6.0	2.4	4.3 ^a
Cub River R.S.	1/27	40	11.7	5.5	6.5
Emigrant Summit	2/1	65 ^a	24.0 ^a	16.2	17.0
Franklin Basin	1/27	62	22.9	13.0	16.6 ^a
Hayden Fork	1/30	42	11.3	7.8	10.4 ^a
Klondike Narrows	1/27	57	19.5	10.9	13.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Little Bear Lower	1/29	26	7.4	7.0	7.4 ^a
Little Bear Upper	1/29	44	15.7	8.0	8.4 ^a
Monte Cristo	1/28	66	24.9	12.6	16.2
Salt River Summit	1/30	42	11.4	7.8	11.3 ^a
Stillwater Camp	1/30	32	9.1	5.0	7.4 ^a
Tony Grove R.S.	1/27	49	15.8	6.9	8.8

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 145% of the February 1 average on the Ogden Basin to 154% on the Weber after a very dry month.

PRECIPITATION at mountain stations has ranged from only 20 to 50% of average for January.

SOIL MOISTURE is well above average and wetter than last year at this time.

RESERVOIR STORAGE as of February 1st is below average after water was released to make room for spring runoff. Ogden River storage is now 44% of average and 20% of capacity. Weber River storage is now 76% of average and 51% of capacity.

STREAMFLOW FORECASTS dropped 12 to 35% after a very dry January and now range from 131% of the April-June average for the Weber near Oakley to 220% for East Canyon Creek. South Fork Ogden is forecast 172% of average and Pineview Inflow 175% of the April-June average. Weber River forecasts are as follows: Rockport Inflow 138%, Coalville 139%, Chalk Creek 167%, Echo Inflow 152%, and Gateway 166% of average. Lost Creek is forecast 212%, Hardscrabble 160% and Farmington Creek 182%.

Peak flows are expected to range from 127% of average at Oakley to 168% for Chalk Creek assuming a normal melt sequence.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year †	Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	134	131	Apr-June	144	102
Rockport Reservoir Inflow 1/	153	138	Apr-June	164	111
Chalk Creek at Coalville	60	167	Apr-June	67	36
Weber nr Coalville 1/	166	139	Apr-June	187	119
Lost Creek nr Croydon, UT 1/	33	212	Apr-June	37	15.6 ^a
East Canyon Creek nr Morgan 1/	55	220	Apr-June	53	25
Hardscrabble Crk nr Porterville	29	160	Apr-June	--	18.4 ^a
S. Fork Ogden nr Huntsville 1/	98	172	Apr-June	96	57 ^a
Pineview Reservoir Inflow 1/	201	175	Apr-June	207	115 ^a
Echo Reservoir Inflow 2/	220	152	Apr-June	227	145
Weber at Gateway 1/	499	166	Apr-June	574	300
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	14.9	182	Apr-July	--	8.2 ^b

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	5	143	145
WEBER RIVER	12	168	154

- 1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 + - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	0.8	1.1	2.2 ^b
	Pineview	110.1	22.3	76.9	49.6 ^b
WEBER	East Canyon	48.1	20.1	40.7	34.7 ^b
	Echo	73.9	14.5	51.4	45.8
	Lost Creek	20.0	5.8	15.0	13.1 ^b
	Rockport	60.9	31.0	50.8	31.9
	Willard Bay	193.3	130.4	128.5	138.9 ^b

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
South Fork Ogden nr Huntsville	1120-1400	763
Chalk Creek nr Coalville	690-1030	510
Weber nr Oakley	1720-2180	1540

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Beaver Creek R.S.	1/31	29	8.6	5.4	6.0
Beaver Creek-Skunk Creek	1/28	38	14.0	7.5	8.5
Ben Lomond Peak	1/29	108	43.3	25.5	23.5 ^b
Ben Lomond Trail	2/3	74	26.4	13.4	10.5 ^a
Chalk Creek #1	1/30	55	18.1	13.6	15.2
Chalk Creek #2	1/30	39	11.8	8.7	9.5
Chalk Creek #3	1/30	26	7.8	4.6	5.4
Dry Bread Pond	1/28	53	19.0	10.0	12.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Horse Ridge	1/26	65	21.8	11.4	15.2 ^a
Lost Creek Reservoir	1/26	28	7.9	3.0	4.5 ^a
Monte Cristo	1/28	66	24.9	12.6	16.2
Parleys Canyon Summit	1/27	62	20.4	10.8	12.3
Sagebrush Flat	1/28	32	9.1	3.4	4.1
Smith & Morehouse	1/30	39	12.5	8.5	8.8
Trial Lake	1/31	56	19.9	14.8	15.9

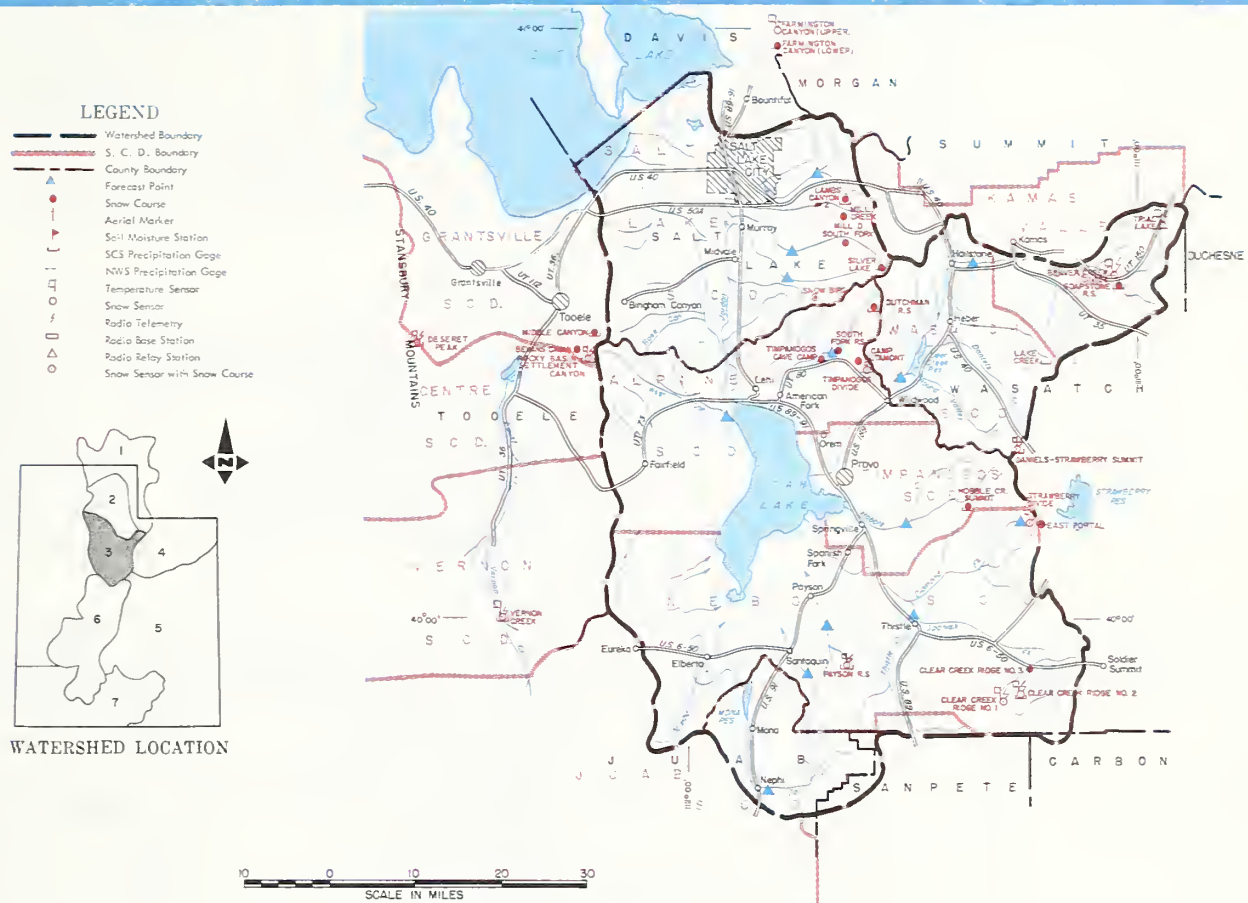
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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER dropped significantly after a dry month but still ranges from 143% of the February 1 average on the Provo-Utah Lake Watershed to 152% along the Jordan River Salt Lake front.

PRECIPITATION at mountain stations was only 20 to 30% of the January average.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE is above average with most reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped as much as 33% after a very dry January but still range from 145% of average for Little Cottonwood to 252% for the Inflow to Utah Lake. The Provo River is forecast 160% at Hailstone and 217% below Deer Creek Dam. Payson Creek is forecast 185%, Spanish Fork 225%, Hobbie Creek 237%, American Fork 171%, and the Inflow to Strawberry Reservoir 158%. Big Cottonwood is forecast 154%, Mill Creek 192%, Parleys 211%, Emigration 230%, and City Creek 167% of the April-July average. Settlement Creek is forecast 187%, South Willow 154% and Vernon 183% of average.

Peak flows are expected to be about 1 1/2 to 2 times average. Steps should be taken to protect property along waterways again this year.

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	170	160	Apr-July	160	106
Provo below Deer Creek Dam1/	260	217	Apr-July	--	118
American Fork nr American Fk.	53	171	Apr-July	--	31
Hobble Creek nr Springville	41	237	Apr-July	--	18.7 ^b
Strawberry Reservoir Inflow1/	84	158	Apr-July	147	53
Spanish Fork at Thistle	90	225	Apr-July	--	40
Payson Creek nr Payson	11.5	185	Apr-July	--	6.2
Utah Lake Inflow	600	252	Apr-July	--	238
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	55	145	Apr-July	63	38
Big Cottonwood nr SLC	57	154	Apr-July	61	37
Parley's Creek nr SLC	31	211	Apr-July	42	14.8
Mill Creek nr SLC	11.3	192	Apr-July	13.6	5.8
Emigration Creek nr SLC	8.5	230	Apr-July	13.9	3.7
City Creek nr SLC	13.0	167	Apr-July	21.6	7.7
TOOELE VALLEY					
Settlement Crk nr Tooele	4.3	187	Apr-July	--	2.3 ^b
S. Willow Crk nr Grantsville	4.6	154	Apr-July	4.3	3.0 ^b
Vernon Creek nr Vernon	2.0	183	Feb-June	5.7 ^b	1.1

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	10	151	143
JORDAN RIVER & SALT LAKE	5	145	152

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 20 years
+ - 1961-80 20 year average period
e - Maximum mean daily peak flow
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SPANISH FORK	Strawberry	270.0	270.0	247.0	139.7
UTAH LAKE	Utah Lake	883.9	1246.6	1047.6	648.6
	Settlement Creek	1.2	0.5	1.0	0.7 ^b
	Vernon Creek	0.6		0.5	0.5 ^b
PROVO	Deer Creek	149.7	124.5	111.6	94.3

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Cottonwood nr Salt Lake City	500-600	442
Little Cottonwood nr Salt Lake City	600-700	384
Provo Near Hailstone	2200-2500	2128
Spanish Fork nr Thistle	900-1100	451 ^b
American Fork nr American Fork	500-600	329
Mill Creek nr Salt Lake City	80-90	59
Parley's Creek nr Salt Lake City	250-300	154
City Creek nr Salt Lake City	100-120	75
Emigration Creek nr. Salt Lake City	90-120	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Bevans Cabin		Not Scheduled		--	
Clear Creek #1	1/31	50	18.7	12.0	12.4 ^a
Clear Creek #2	1/31	40	14.9	9.7	9.6 ^b
Clear Creek #3	1/31	29	9.0	6.0	5.5 ^b
Daniels-Strawberry Summit	1/26	42	14.9	10.8	10.1
Deseret Peak		Not Scheduled			
Hobble Creek Summit	1/26	49	17.9	9.2	9.8 ^a
Lambs Canyon #2	1/27	54	18.1	10.2	10.7 ^a
Middle Canyon		Not Scheduled			
Mill Creek	1/26	60	18.9	11.2	15.0 ^a

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Mill D South Fork	1/30	57	20.2	12.6	12.7
Parley's Canyon Summit	1/27	62	20.4	10.8	12.3
Payson R.S.	1/26	57	20.6	13.7	12.0
Rocky Basin-Settlement Canyon		Not Scheduled			
Silver Lake Brighton	1/30	67	24.9	16.8	15.6
Soapstone R.S.	1/31	39	10.5	6.2	8.6
South Fork R.S.	1/30	35	10.6	8.7	4.8
Timpanogos Divide	1/30	49	16.8	20.7	16.9
Trial Lake	1/31	56	19.9	14.8	15.9
Vernon Creek		Not Scheduled			

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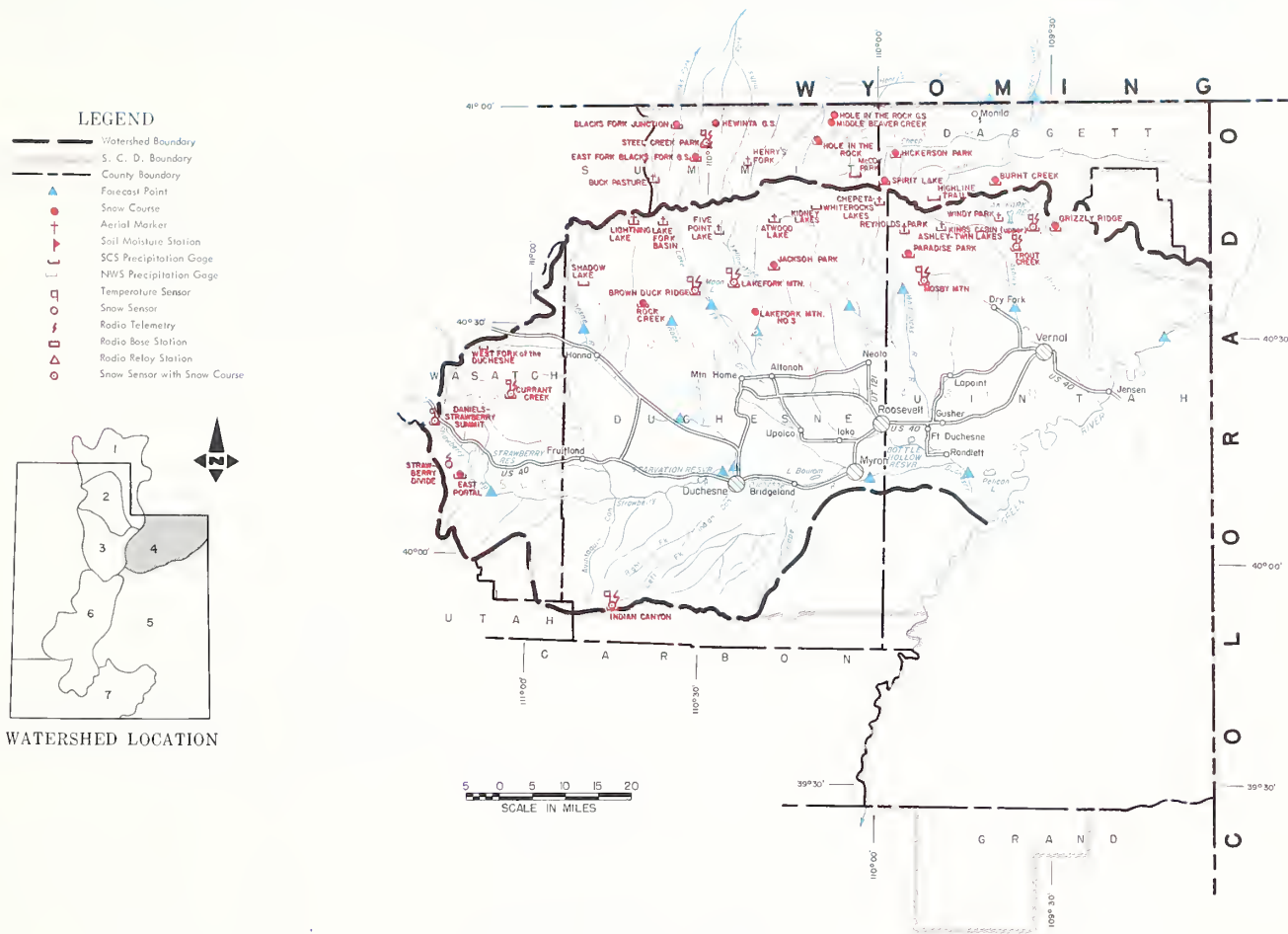
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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a very dry January and now ranges from 115% of average on Sheep Creek to 149% on Strawberry River. Ashley Creek snow cover is 121%, Black's Fork 146%, Uintah-Whiterocks 119%, and Lakefork-Yellowstone 121% of the February 1 average.

PRECIPITATION at mountain stations was only 20 to 40% of average during January.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE is near average with some reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped as much as 66% after a very dry January and now range from 117% for Rock Creek to 218% for the Duchesne at Myton. The Duchesne is forecast 130% at Tabiona, 131% for West Fork, 126% at Duchesne, and 207% at Randlett. Strawberry River is forecast 190%, Currant Creek 165%, Lakefork 129%, Yellowstone 120%, Uintah 136%, Whiterocks 145%, Ashley Creek 127%, Black's Fork 136% and Henry's Fork 140%.

Peak flows this season are expected to range from near average on Ashley Creek to about twice average on Strawberry River assuming normal melt conditions.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	137	130	Apr-July	141	105
Duchesne at Duchesne 1/	238	126	Apr-July	290	189
Strawberry at Duchesne	110	190	Apr-July	185	58
Rock Creek nr Mtn. Home	109	117	Apr-July	--	93
Currant Creek nr Fruitland	33	165	Apr-July	54	20
Lakefork below Moon Lake 1/	90	129	Apr-July	--	70
Yellowstone nr Altonah	78	120	Apr-July	--	65
Duchesne at Myton 1/	446	218	Apr-July	--	205
Whiterocks nr Whiterock	84	145	Apr-July	97	58
Uintah nr Neola	117	136	Apr-July	--	86
Duchesne at Randlett 1/	532	207	Apr-July	--	257
West Fork Duchesne at Hanna	34	131	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	67	140	Apr-Sept	162	48 ^a
Black's Fork nr Millburne	122	136	Apr-July	145	90
Flaming Gorge Inflow 1/	1700	136	Apr-July	--	1248
Ashley Creek nr VernaT	65	127	Apr-July	--	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	12	109	131
LAKEFORK-YELLOWSTONE CREEKS	4	92	121
STRAWBERRY RIVER	4	151	149
UINTAH - WHITEROCKS RIVERS	3	84	119
ASHLEY CREEK	3	76	121
BLACK'S FORK	4	176	146
SHEEP CREEK	4	95	115
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
ASHLEY CREEK	Red Fleet	26.0	18.0	20.8	--
	Steinaker	33.3	23.9	32.3	19.7 ^b
GREEN RIVER	Flaming Gorge	3749.0	3309.8	3214.8	--
LAKE FORK	Moon Lake	35.8	--	30.3	15.4
STRAWBERRY	Starvation	165.3	92.7	128.6	113.0 ^b
UINTAH	Bottle Hollow	11.3	11.1	11.1	10.2 ^b

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Strawberry at Duchesne	1160-1570	675
Ashley Creek nr Vernal	780-1280	966
Rock Creek nr. Mtn. Home	1490-1810	1415

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Brown Duck Ridge	2/2	53	16.8	16.1	12.9 ^a
Currant Creek	1/26	31	9.6	7.7	7.8 ^a
Daniels-Strawberry	1/26	42	14.9	10.8	10.1
Hewinta G. S.	1/31	33	8.9	4.9	6.4 ^a
Hickerson Park	2/2	27	7.7	4.9	5.8 ^a
Jackson Park	2/2	37	10.2	12.1	8.6 ^a
Kings Cabin Upper	2/1	32	9.1	9.8	6.1 ^a

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Lakefork Mountain	2/2	31	8.5	9.3	7.0
Mosby Mountain	2/1	27	7.0	9.0	6.4
Paradise Park	2/1	37	11.1	12.5	8.8
Rock Creek Ranch	2/2	22	5.4	6.3	4.5 ^a
Spirit Lake	1/31	32	9.0	9.3	8.1 ^a
Steel Creek Park	1/31	48	14.6	10.5	9.1 ^a
Strawberry Divide	1/31	56	19.8	12.2	12.6
Trout Creek	2/1	28	7.1	10.6	6.6 ^a

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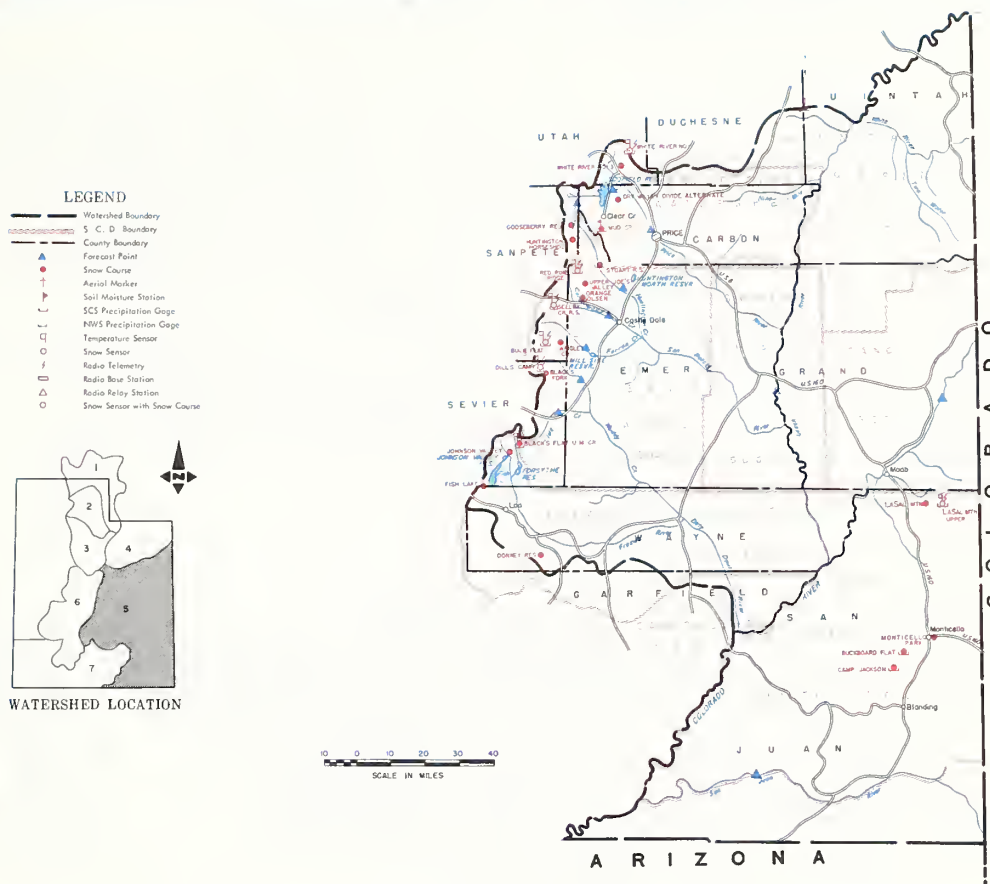
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER percentages dropped on all basins except LaSal Mountains (134%) after a very dry January. Snow cover now ranges from 86% of average on Blue Mountains to 192% on the San Rafael. Price River is 159%, Muddy 167%, and Fremont 170% of the February 1 average.

PRECIPITATION at mountain stations ranged from only 20 to 50% of average except on LaSal Mountains where it was better than average for January.

SOIL MOISTURE is above average except on the LaSal and Blue Mountains where it is near average.

RESERVOIR STORAGE is near average or above average.

STREAMFLOW FORECASTS dropped on all streams except Mill Creek and now range from 137% for Navajo Inflow to 229% for the Price near Heiner. Scofield Inflow is forecast 220%, Huntington Creek 190%, Cottonwood Creek 200%, Ferron Creek 192%, Muddy Creek 184%, Seven Mile Creek 137%, Green River 166%, Colorado River 184% and San Juan River 154% of the April-July average.

Peak flows are expected to be one and one half to twice average this year. Precautions should be taken to protect property along stream channels.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast Thousand Acres Feet	Percent of Average		THOUSAND ACRES FEET Last Year 3	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	22	206	Apr-July	--	10.7
Scofield Reservoir Inflow	83	220	Apr-July	--	38
Price nr Heiner 1/	145	229	Apr-July	--	63
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	93	190	Apr-July	--	49
Cottonwood Crk nr Orangeville	94	200	Apr-July	159	47 ^b
Ferron Creek nr Ferron	71	192	Apr-July	75	37
MUDDY CREEK					
Muddy Creek nr Emery	34	184	Apr-July	44	18.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	5620	184	Apr-July	--	3046
Green at Green River, UT	5000	166	Apr-July	--	3016
Mill Creek nr Moab	8.6	156	Apr-July	12.4	5.5 ^b
Navajo Reservoir Inflow	1000	137	Apr-July	--	684
San Juan nr Bluff, UT	1530	154	Apr-July	--	995
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.9	137	Apr-July	28	6.5 ^b

RESERVOIR STORAGE (Thousand Acres Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	48.3	52.9	31.3
SAN RAFAEL	Huntington North	3.9	2.8	3.7	2.3 ^b
	Joe's Valley	54.6	41.2	47.3	43.6 ^b
	Mill Site	16.7	12.5	12.8	3.5 ^b
SAN JUAN	Navajo	1696.0	1461.8	1401.0	--
	Kens Lake	2.3	1.7	0.8	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Buck Flat	1/30	53	19.7	15.5	10.5
Buckboard Flat	1/31	32	9.1	10.9	10.2 ^a
Camp Jackson	1/31	31	9.3	13.2	11.3 ^a
Dills Camp	1/29	39	13.7	10.2	8.0 ^a
Dry Valley Divide Alternate	1/31	36	12.8	5.5	8.4 ^a
Huntington-Horseshoe	1/31	66	27.5	18.5	15.2 ^a
Indian Canyon	1/31	34	9.5	10.7	8.3
Lasal Mtn. Upper	1/30	45	13.4	15.1	10.5 ^a
Mammoth-Cottonwood R.S.	1/30	64	25.1	15.3	13.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	4	107	159
SAN RAFAEL RIVER	8	145	192
FREMONT RIVER	3	134	170
LASAL MOUNTAINS	2	92	134
BLUE MOUNTAINS	2	76	86
MUDDY RIVER	2	133	167
HUNTINGTON CREEK	4	157	183
1 - Observed flow corrected for change in storage and diversions			
2 - Inflow record as computed by U. S. Bureau of Reclamation			
3 - Provisional flows - Subject to Correction			
a - Partly estimated			
b - Average of all past record - less than 20 years			
e - Maximum mean daily peak flow			
+ - 1961-80 20 year Average Period			
* - Forecast in cooperation with National Weather Service			

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	730-890	444
Muddy Creek near Emery	230-360	168
Huntington Cr. near Huntington	700-900	516

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Monticello City Park	1/31	6	2.2	--	3.8 ^a
Mud Creek	1/31	45	15.5	9.3	9.1
Red Pine Ridge	1/30	54	19.6	13.0	10.6
Seeley Creek	1/30	52	20.9	13.3	9.1 ^a
White River #1	1/31	42	15.1	9.2	9.0 ^a
White River #3	1/31	31	9.7	5.8	7.0 ^a

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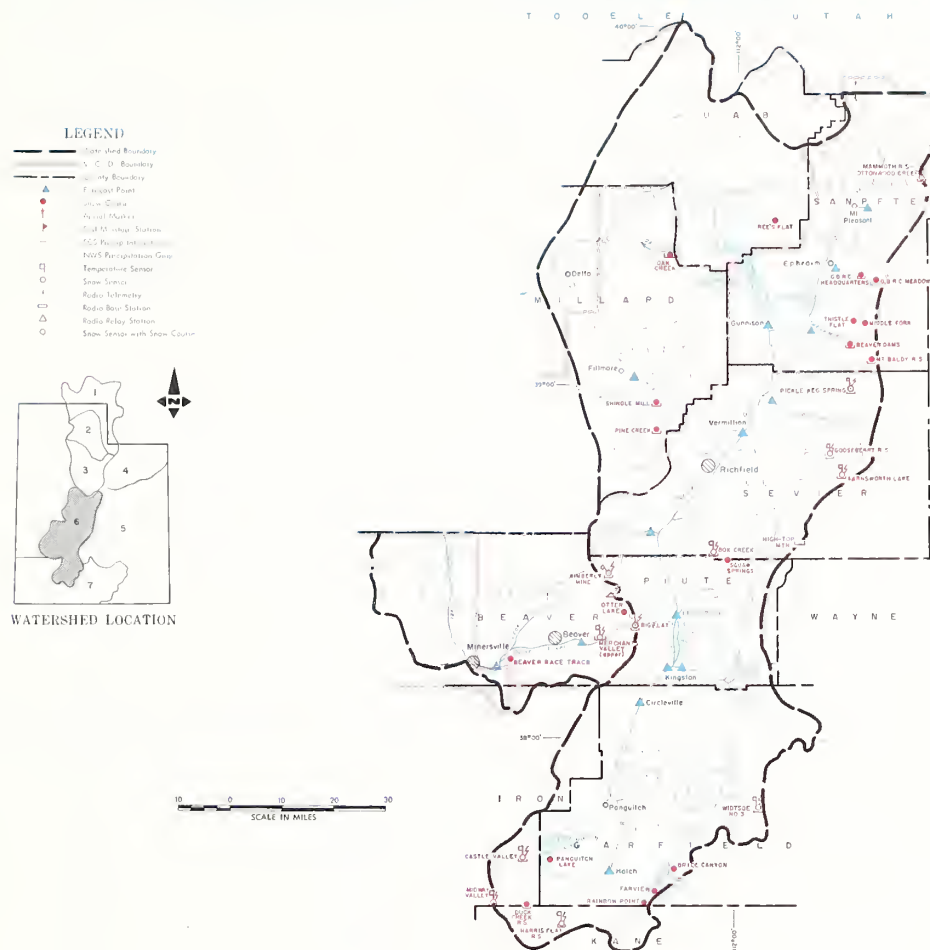
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a very dry month and now ranges from 110% of average on the South Fork Sevier to 201% on Beaver River. The East Fork is 134% and Lower Sevier 176% of the February 1 average.

PRECIPITATION at mountain stations ranged from only 20 to 50% of the January average.

SOIL MOISTURE is wetter than average on the Lower Sevier but near average on the Upper Sevier.

RESERVOIR STORAGE in above average with most reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped 10 to 50% after a very dry January and now range from 131% for Oak Creek, to 538% for the Sevier Inflow Sigurd to Gunnison. Sevier River is forecast 150% at Hatch, 188% at Circleville, 221% at Kingston, 212% for East Fork, 222% below Piute, 300% Kingston to Vermillion and 410% near Gunnison. Clear Creek is forecast 175%, Antimony Creek 170%, Salina Creek 214%, Chicken Creek 166%, Ephriam Creek 208%, Pleasant Creek 256%, Salt Creek 178% and Chalk Creek near Fillmore 293%. Beaver River is forecast 243% near Beaver, 240% for North Creeks and 404% for Minersville Inflow. Peak flows are expected to range from one and one half to near three times average again this season. Steps should be taken to protect property along stream channels.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year ³	Average ⁴
SEVIER RIVER					
Sevier at Hatch	72	150	Apr-July	--	48
Sevier nr Circleville	72	188	Apr-July	--	38
Sevier nr Kingston	64	221	Apr-July	--	28
Antimony Crk nr Antimony	17.5	170	Apr-July	--	10.3
East Fork Sevier nr Kingston	40	212	Apr-July	--	18.9
Sevier below Piute Dam	100	222	Apr-July	--	45
Clear Crk nr Sevier (abv Div)	33	175	Apr-July	--	18.9
Sigurd to Gunnison	140	538	Apr-July	--	26
Kingston to Vermillion Dam	100	300	Apr-June	--	45
Vermillion Dam to Gunnison	145	518	Apr-June	--	25
Salina Creek at Salina	26	214	Apr-June	--	11.9
Sevier nr Gunnison	220	410	Apr-July	--	54
Chalk Creek nr Fillmore	48	293	Apr-July	--	16.4 ^b
Chicken Creek nr Levan	5.8	166	Apr-July	24	3.5 ^b
Oak Cr. nr Oak City	2.1	131	Apr-July	4.5	1.6 ^b
Ephraim Creek nr Ephraim	31	208	Apr-July	--	14.9
Pleasant Crk nr Mt. Pleasant	22	256	Apr-July	--	8.6
Salt Creek nr. Nephi	24	178	Apr-July	--	13.5
Beaver nr Beaver	56	243	Apr-July	72	23
North Creek (Combined)	35	240	Apr-July	--	14.6 ^a
Minersville Inflow	36	404	Apr-June	--	8.9

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
SEVIER RIVER	Gunnison	18.2	13.0	17.0	11.7 ^b
	Otter Creek	52.5	50.2	49.4	27.5
	Piute	71.8	68.3	60.4	36.9
	Sevier Bridge	236.0	210.1	222.0	101.1
	Panguitch Lake	22.3	20.3	--	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	20.6	22.2	11.2

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-BASIN	Number of Gauging Stations	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER	10	72	118
East Fork Sevier	4	89	134
South Fork Sevier	6	65	110
LOWER SEVIER	12	130	176
BEAVER RIVER	3	134	201

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 + - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

PEAK FLOWSE

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Beaver River nr Beaver	550-810	257
Sevier River at Hatch	600-800	484
Sevier River nr Kingston	600-800	312
Clear Creek nr Sevier	350-450	226
Salina Creek nr Salina	700-900	285

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Big Flat	1/27	60	21.5	15.1	10.6
Bryce Canyon	1/31	16	2.7	6.8	3.3
Castle Valley	1/28	36	10.7	13.9	6.8 ^a
Duck Creek	1/28	29	6.9	15.2	9.0
Farnsworth Lake	1/29	54	18.1	13.2	11.6
Gooseberry R.S.	1/29	37	11.6	8.0	7.4
Harris Flat	1/28	20	4.5	10.4	6.0
Kimberly Mine	1/27	50	14.6	10.6	10.2 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Long Valley Junction	1/27	12	4.0	8.7	4.3
Merchants Valley Upper	1/27	44	14.1	12.6	8.0 ^b
Midway Valley	1/28	43	12.8	23.7	13.3
Oak Creek	1/26	44	12.8	14.4	8.4 ^a
Otter Lake	1/27	48	16.0	12.1	8.0
Pickle Keg Springs	1/30	51	18.1	13.4	9.8 ^a
Pine Creek	1/26	61	20.6	16.2	9.4 ^a
Widtsoe-Escalante #3	1/28	32	7.2	9.5	7.0

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a dry month and now range from 37% of average in the Enterprise-New Harmony area to 125% on Parowan Creek. Coal Creek snow cover is now 90% of average, Virgin River 87%, and Escalante River 103% of the February 1 average.

PRECIPITATION at mountain stations ranged from 47% of average at Widtsoe #3 to 80% at Tall Poles on Parowan Creek.

SOIL MOISTURE is wetter than average.

RESERVOIR STORAGE is generally above average.

STREAMFLOW FORECASTS dropped 8 to 22% after a dry January and now range from 121% of average for Virgin River to 166% for Lake Powell Inflow. Santa Clara Creek is forecast 123% and Coal Creek 130% of the April-July average.

Peak flows are expected to range from near average to 50% above average in this area assuming normal melt temperature and precipitation.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
VIRGIN RIVER					
Virgin nr Hurricane	75	121	Apr-June	52	63
Santa Clara nr Pine Valley	6.5	123	Apr-June	--	5.3
COAL CREEK					
Coal Creek nr Cedar City	24	130	Apr-July	22	18.4
UPPER COLORADO					
Lake Powell Inflow	12400	166	Apr-July	--	7462

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	50	90
VIRGIN RIVER	3	50	87
PAROWAN CREEK	4	88	125
ENTERPRISE - NEW HARMONY	2	35	37
ESCALANTE RIVER	1	78	103
1 - Observed flow corrected for change in storage and diversions			
2 - Inflow record as computed by U. S. Bureau of Reclamation			
3 - Provisional flows - Subject to Correction			
a - Partly estimated			
b - Average of all past record - less than 20 years			
e - Maximum mean daily peak flow			
+ - 1961-80 20 year Average Period			
* - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average ⁴
COLORADO	Lake Powell	25002.0	22013.0	22408.0	--
	Blue Mesa	829.5	494.6	538.2	--

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average ⁴
Coal Creek nr Cedar City	300-400	220
Virgin nr Hurricane	1100-1400	1092

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average ⁴
Birch Crossing	1/30	28	7.0	7.1	5.0 ^b
Brian Head	1/28	51	15.8	18.3	12.9 ^b
Harris Flat	1/28	20	4.5	10.4	6.0
Kolob-Crystal	1/27	42	13.7	23.6	15.5 ^a
Little Grassy	1/27	2	0.4	3.1	6.9 ^a
Long Flat	1/27	13	3.6	8.2	7.1 ^a

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average ⁴
Long Valley Junction	1/27	12	4.0	8.7	4.3
SUSC Ranch	1/30	22	5.7	10.0	6.5 ^b
Tall Poles	1/30	41	11.0	13.7	9.1 ^b
Webster Flat	1/28	31	9.0	20.8	10.9
Yankee Reservoir	1/27	34	8.6	9.1	6.8 ^b

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	1/30	20	6.0	2.4	4.3 ^a	1/30	0.49	--	7.89	--	--
CCC Camp	1/30	37	9.6	6.6	8.8 ^a						
Hayden Fork	1/30	42	11.3	7.8	10.4 ^a	1/30	1.30	--	17.86	--	--
Monte Cristo R.S.	1/28	66	24.9	12.6	16.2	1/28	1.90	6.10 ^b	23.37	17.12	136
Salt River Summit	1/30	42	11.4	7.8	11.3 ^a	1/30	1.81	4.18	14.31	11.35	126
Stillwater Camp	1/30	32	9.1	5.0	7.4 ^a	1/30	0.70	--	12.11	--	--
Lily Lake	1/31	41	12.0	7.5	--						
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	1/28	58	21.1	9.2	12.7 ^a	1/28	2.50	--	22.00 ^a	--	--
Cub River R.S.	1/27	40	11.7	5.5	6.5						
Emigrant Summit	2/1	65 ^a	24.0 ^a	16.2	17.0						
Franklin Basin	1/27	62	22.9	13.0	16.6 ^a	1/27	3.30 ^a	--	27.31 ^a	--	--
Garden City Summit	1/27	51	17.0	8.8	11.9	1/27	1.98	4.27	19.79	12.33	160
Klondike Narrows	1/27	57	19.5	10.9	13.4	1/27	1.74	5.49 ^b	20.36	15.41 ^b	132
Little Bear (lower)	2/3	38	13.2	7.0	7.4 ^a						
Little Bear (upper)	1/29	44	15.7	8.0	8.4 ^a	1/29	0.73	--	23.07	--	--
Slug Creek Divide	1/30	42	13.4	9.7	11.6 ^a						
Steep Hollow #1	1/27	91	33.1	22.6	24.1 ^b						
Steep Hollow #2	1/27	71	25.2	15.7	17.5						
Tony Grove Lake	1/27	94	34.1	19.5	25.2 ^a	1/27	0.30 ^a	--	29.92 ^a	--	--
Tony Grove R.S.	1/27	49	15.8	6.9	8.8	1/27	1.27	3.56 ^b	20.87	11.18 ^b	187
Willow Flat	1/27	59	19.8	9.0	11.1	1/27	2.15	5.00 ^b	25.28	15.14	167
OGDEN RIVER											
Beaver Creek-Skunk Creek	1/28	38	14.0	7.5	8.5						
Ben Lomond Peak	1/29	108	43.3	25.5	23.5 ^b	1/29	1.10	--	44.10	--	--
Ben Lomond Trail	2/3	74	26.4	13.4	10.5 ^a	2/3	1.41	7.56 ^b	33.15	20.51 ^b	162
Causey Dam	1/28	28				1/28	0.82	2.56 ^b	14.58	9.49	154
Dry Bread Pond	1/28	53	19.0	10.0	12.3	1/28	2.30	3.50 ^b	21.72	16.96 ^b	128
Sagebrush Flat	1/28	32	9.1	3.4	4.1	1/28	1.00	2.59 ^b	12.77	9.49	135
WEBER RIVER											
East Shingle Lake (A)											
Beaver Creek R. S.	1/31	29	8.6	5.4	6.0						
Chalk Creek #1	1/30	55	18.1	13.6	14.6 ^a	1/30	1.20 ^e	--	19.90 ^e	--	--
Chalk Creek #2	1/30	39	11.8	8.7	9.5	1/30	0.80 ^e	--	13.20 ^e	--	--
Chalk Creek #3	1/30	26	7.8	4.6	5.4	1/30	0.87	2.28 ^b	15.02	9.44 ^b	159
Farmington Canyon (lower)	1/26	83	29.1	15.2	14.3 ^b	1/26	2.45	5.22 ^b	28.80	18.36	157
Farmington Canyon (upper)	1/26	97	35.0	20.4	19.2 ^b	1/26	2.40 ^e	--	30.10	--	--
Farmington G.S.	1/26	81	28.4 ^e	--	--	1/26	2.43	4.25 ^b	--	17.37 ^b	--
Horse Ridge	1/26	65	21.8	11.4	15.2 ^a	1/26	1.85	--	25.71	--	--
Kilfoil Creek	1/26	47	14.9	7.9	10.2 ^a						
Lost Creek Reservoir	1/26	28	7.9	3.0	4.5 ^a	1/26	0.72	--	12.32	--	--
Park City Summit	2/1	72	30.0	26.4	19.2 ^a						
Parley's Canyon Summit	1/27	62	20.4	10.8	12.3	1/27	1.41	4.31	22.26	14.80	150
Redden Mine (lower)	1/30	47	15.6	11.3	11.3 ^a	1/30	1.05	--	12.79	--	--
Smith & Morehouse	1/30	39	12.5	8.5	8.8	1/30	0.99	3.55	15.19	11.90	128
Hardscrabble	1/26	70	24.0	10.6	--						
Pine Canyon	1/26	58	20.5	10.9	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	1/31	38	11.1	6.8	9.1 ^a	1/31	0.50 ^e	--	16.30 ^e	--	--
Clear Creek Ridge #1	1/31	50	18.7	12.0	12.4 ^a	1/31	1.00 ^e	--	17.70 ^e	--	--
Clear Creek Ridge #2	1/31	40	14.9	9.7	9.6 ^b	1/31	0.78	--	14.68 ^a	10.87 ^b	--
Clear Creek Ridge #3	1/31	29	9.0	6.0	5.5 ^b						
Hobble Creek Summit	1/26	49	17.9	9.2	9.8 ^a	1/26	1.40 ^e	--	--	14.47	--
Payson R.S.	1/26	57	20.6	13.7	12.0	1/26	1.77	3.30	18.59	12.04	154
Soapstone R.S.	1/31	39	10.5	6.2	8.6	1/31	0.80	3.39	16.55	11.16	148
South Fork R.S.	1/30	35	10.6	8.7	4.8						
Timpanogos Divide	1/30	49	16.8	20.7	16.9	1/30	1.50 ^e	4.97	20.74	17.43	119
Trial Lake	1/31	56	19.9	14.8	15.9	1/31	0.93	4.71	22.35	16.20	138

SNOW

SNOW	THIS YEAR				PAST RECORD		PRECIPITATION (Inches)					
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					NAME	Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †
JORDAN RIVER & GREAT SALT LAKE												
Lamb's Canyon #2	1/27	54	18.1	10.2	10.7 ^a	1/27	0.85		16.09			
Mill Creek	1/26	60	18.9	11.2	15.0 ^a							
Mill D South Fork	1/30	57	20.2	12.6	12.7							
Rocky Basin-Settlement	2/1	84 ^a	31.1 ^a	24.6	--	2/1	5.70 ^a	--	31.10 ^a	--	--	--
Silver Lake (Brighton)	1/30	67	24.9	16.8	15.6							
Snow Bird (Gad Valley)	1/26	99	36.6	31.0	23.9 ^a							
Vernon Creek	2/1	44 ^a	13.8 ^a	11.8	7.3 ^a	2/1	1.30 ^a	--	16.70 ^a	--	--	--
Desert Peak	2/1	75 ^a	27.6 ^a	19.9	--	2/1	5.30 ^a	--	27.60 ^a	--	--	--
COLORADO RIVER DRAINAGE												
UPPER GREEN RIVER - UTAH												
Black's Fork G.S.-East Fork	1/31	32	9.0	4.1	6.4 ^a	1/31	0.87	--	11.53	--	--	--
Black's Fork Junction	1/31	33	9.1	4.2	6.6 ^a	1/31	0.82	--	11.50	--	--	--
Burnt Creek	1/27	20	4.1	4.9	3.8 ^a	1/27	0.40	1.69 ^b	10.20	6.09 ^b	167	
Grizzly Ridge	1/27	29	7.2	10.3	6.6 ^a	1/27	1.00	2.44 ^b	12.30	8.75 ^b	141	
Hewinta G.S.	1/31	33	8.9	4.9	6.4 ^a	1/31	0.95	--	12.55	--	--	--
Hickerson Park	2/2	27	7.7	4.9	5.8 ^a	2/2	0.45	--	7.80	--	--	--
King's Cabin (upper)	2/1	32	9.1	9.8	6.1 ^a	2/1	0.75	--	11.43	9.24	124	
Spirit Lake	1/31	32	9.0	9.3	8.1 ^a	1/31	0.75	--	10.85	--	--	--
Steel Creek Park	1/31	48	14.6	10.5	9.1 ^a	1/31	1.10 ^a	--	14.60 ^a	--	--	--
Trout Creek	2/1	28	7.1	10.6	6.6 ^a	2/1	0.62	--	7.95	--	--	--
DUCHESNE RIVER												
Brown Duck Ridge	2/2	53	16.8	16.1	12.9 ^a	2/2	0.70 ^a	--	17.39 ^a	--	--	--
Chepeta	2/1	33	9.1	10.9	--	2/1	0.70 ^a	--	10.90 ^a	--	--	--
Currant Creek	1/26	31	9.6	7.7	7.8 ^a	1/26	0.90 ^a	--	13.10 ^a	--	--	--
Daniels-Strawberry Summit	1/26	42	14.9	10.8	10.1	1/26	0.80 ^a	3.59	16.75 ^a	12.03	139	
East Portal	1/31	40	12.5	7.0	7.6	1/31	1.16	3.34	18.83	11.14	169	
Indian Canyon	1/31	34	9.5	10.7	8.3	1/31	0.49	2.41	11.62	8.69	134	
Jackson Park	2/2	37	10.2	12.1	8.6 ^a	2/2	0.50 ^a	--	12.87	--	--	--
Lakefork Mountain #1	2/2	31	8.5	9.3	7.0	2/2	0.40	--	11.39	8.68	131	
Lakefork Mountain #3	2/2	21	4.5	5.8	4.5 ^b							
Mosby Mountain	2/1	27	7.0	9.0	6.4	2/1	0.65	2.28 ^b	11.12	8.87	125	
Paradise Park	2/1	37	11.1	12.5	8.8	2/1	0.61	2.39 ^b	11.24	9.36	120	
Rock Creek Ranch	2/2	22	5.4	6.3	4.5 ^a	2/2	0.40	--	10.29	--	--	--
Strawberry Divide	1/31	56	19.8	12.2	12.6	1/31	1.00 ^a	--	23.20 ^a	--	--	--
PRICE RIVER												
Dry Valley Divide Alternate	1/31	36	12.8	5.5	8.4 ^a							
Mud Creek	1/31	45	15.5	9.3	9.1	1/31	0.51	2.70	17.02	9.20	185	
White River #1	1/31	42	15.1	9.2	9.0 ^a	1/31	0.73	--	15.27	--	--	--
White River #3	1/31	31	9.7	5.8	7.0 ^a							
SAN RAFAEL RIVER												
Buck Flat	1/30	53	19.7	15.5	10.5	1/30	1.60	--	20.55	11.29 ^b	182	
Huntington-Horseshoe	1/31	66	27.5	18.5	15.2 ^a							
Orange Olsen	1/30	24	6.5	5.9	2.8 ^a	1/30	0.41	--	9.78	--	--	--
Red Pine Ridge	1/30	54	19.6	13.0	10.6	1/30	0.80 ^a	--	21.80 ^a	12.77	171	
Seeley Creek R.S.	1/30	52	20.9	13.3	9.1 ^a	1/30	1.50 ^a	--	23.50 ^a	--	--	--
Stuart R.S.	1/30	35	10.9	6.1	6.1 ^a	1/30	0.40 ^a	--	14.63 ^a	--	--	--
Upper Joe's Valley	1/30	38	12.1	8.3	6.7							
Wrigley Creek	1/30	39	12.8	9.2	6.8 ^b							
MUDDY RIVER												
Black's Fork	1/30	43	14.3	10.8	8.8 ^a							
Dill's Camp	1/29	39	13.7	10.2	8.0 ^a	1/29	1.20	--	16.42	--	--	--

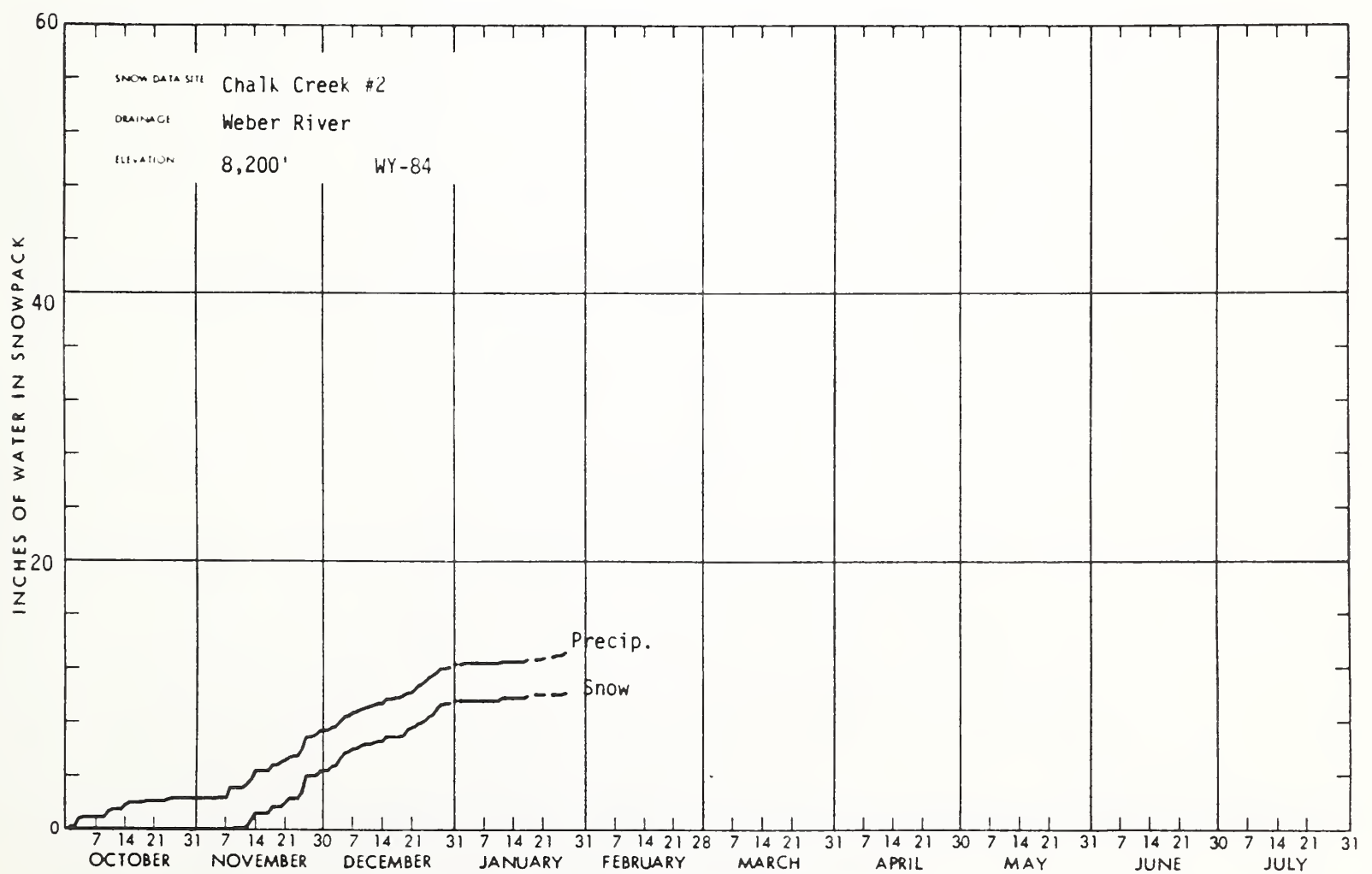
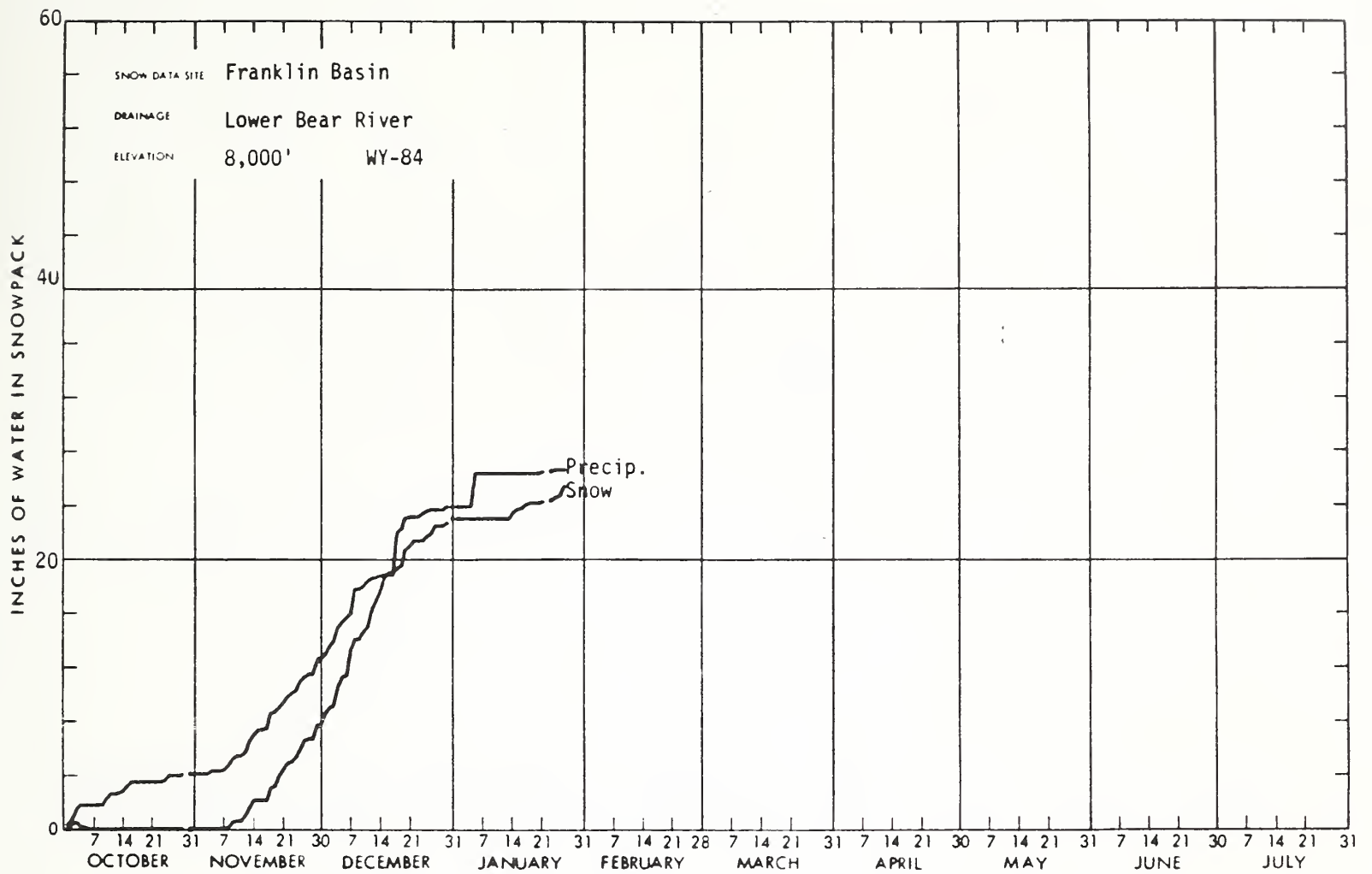
SNOW

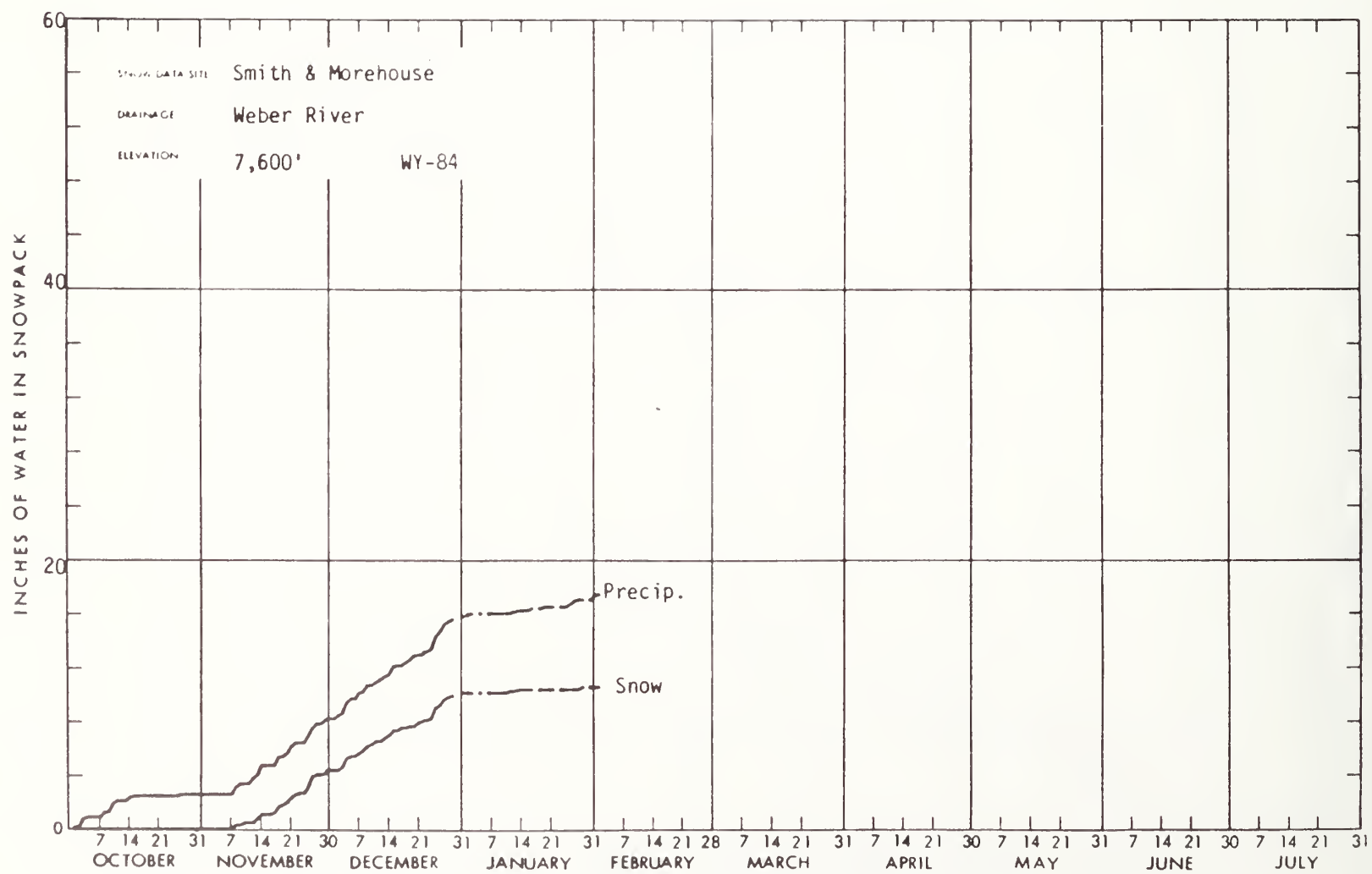
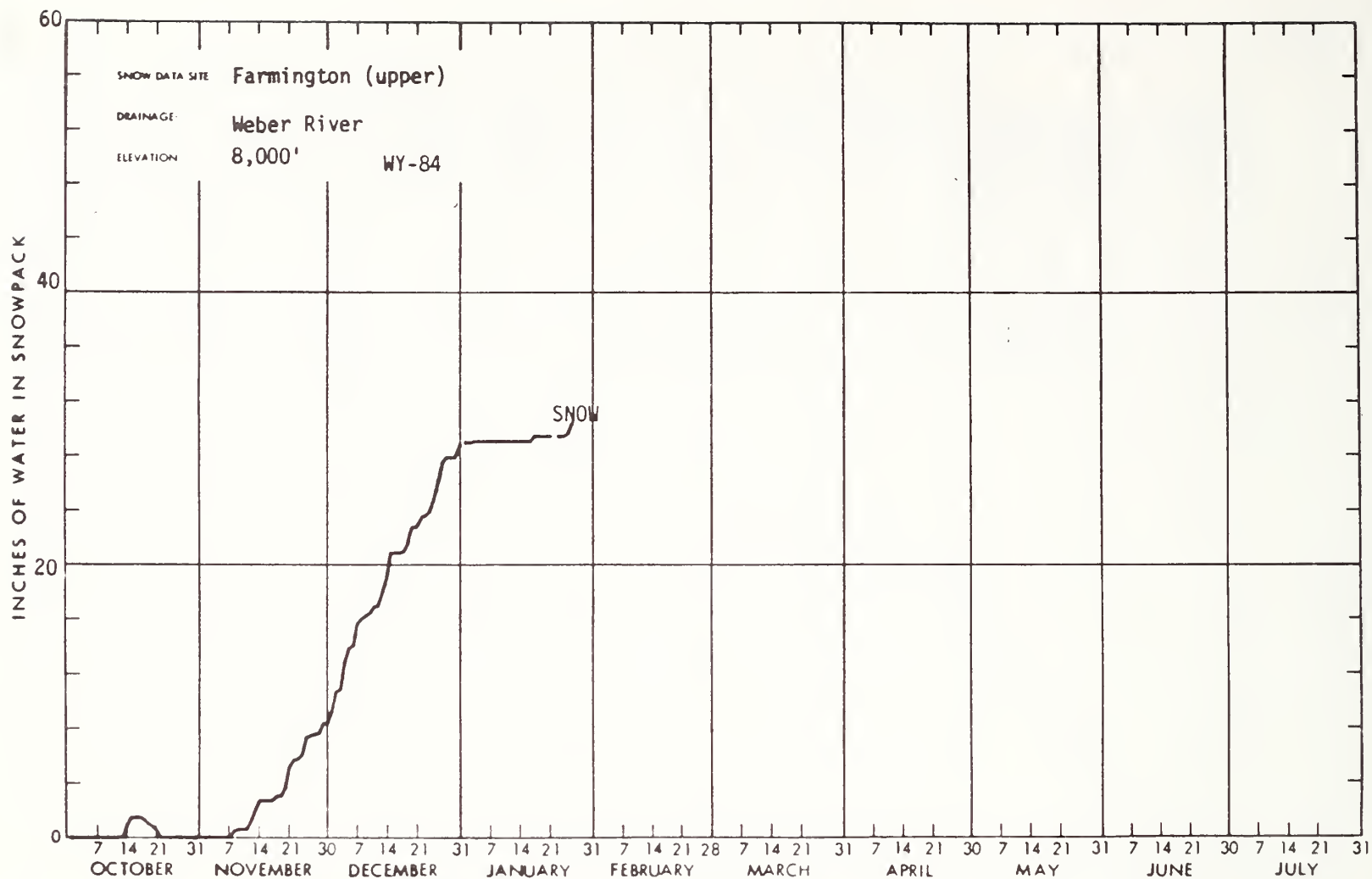
PRECIPITATION (Inches)

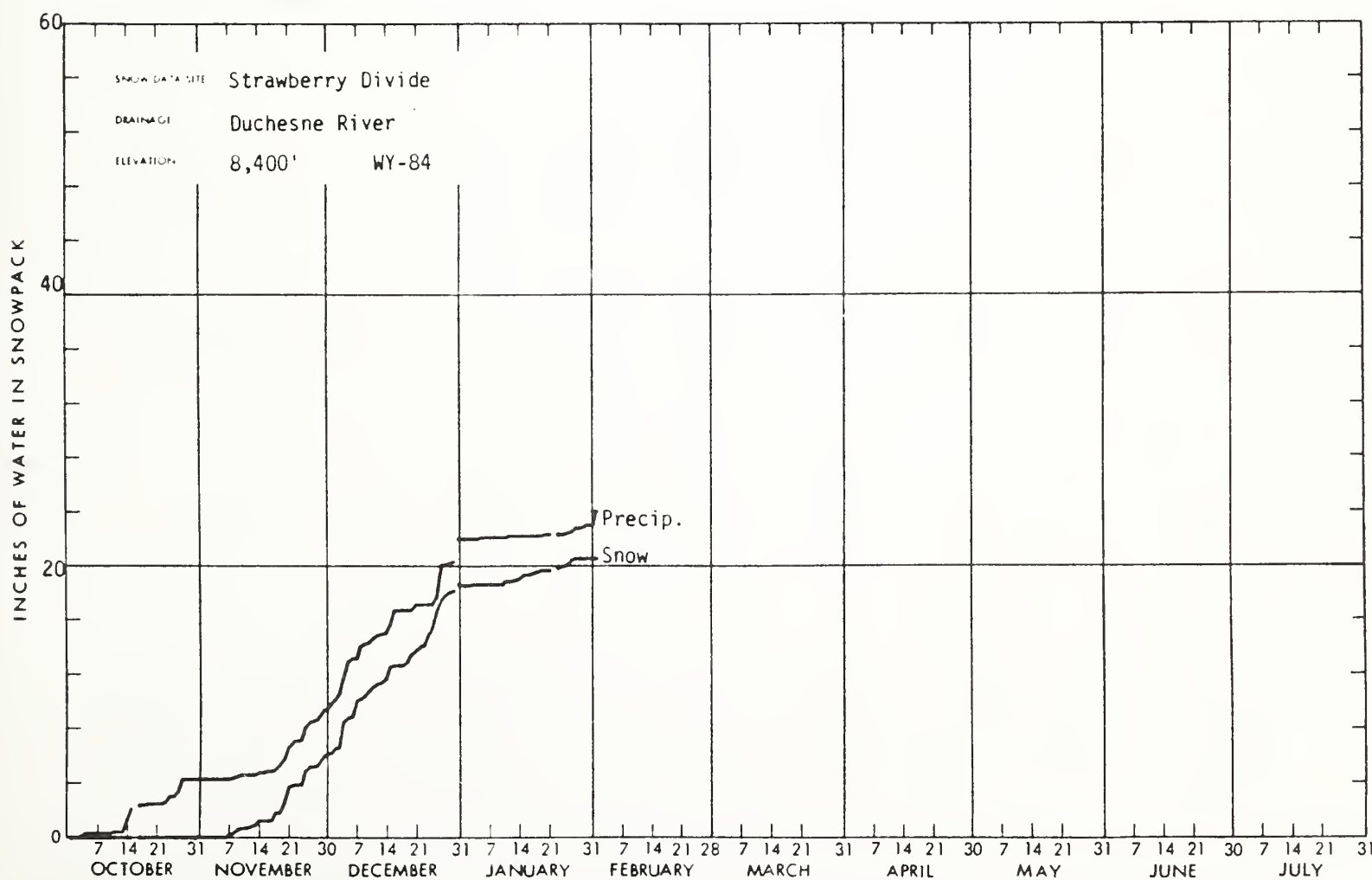
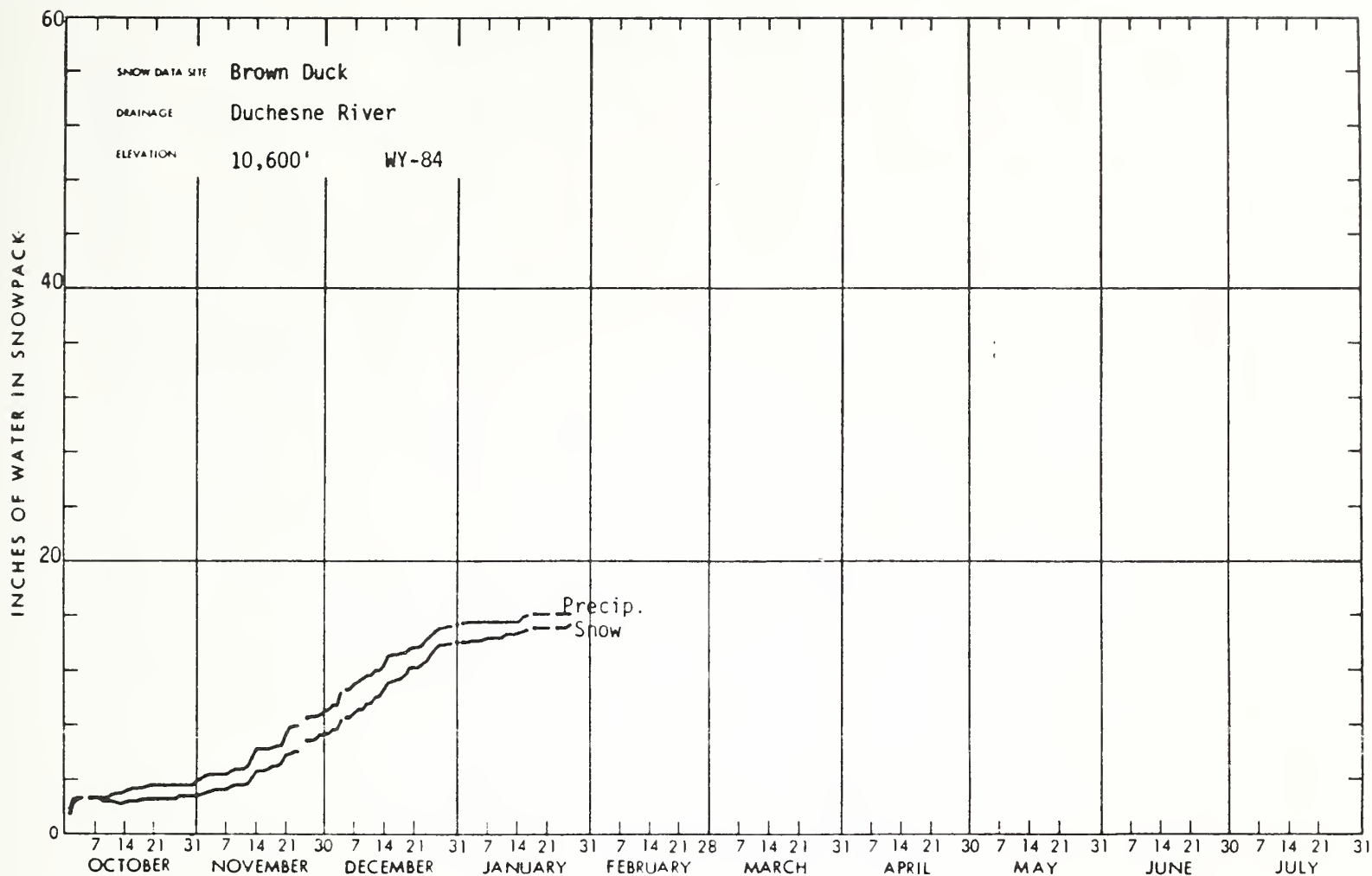
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
FREMONT RIVER											
Black's Flat-U.M. Creek	1/29	38	11.7	8.1	7.8 ^a	1/29	1.03	--	13.21	--	--
Fish Lake	1/29	36	10.7	8.0	5.7 ^a	1/29	0.30 ^a	--	--	--	--
Johnson Valley	1/29	33	9.8	6.0	5.4 ^a						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/31	32	9.1	10.9	10.2 ^a	1/31	1.45	--	15.22	--	--
Camp Jackson	1/31	31	9.3	13.2	11.3 ^a	1/31	1.45	--	12.83	--	--
LaSal Mountain (lower)	1/30	32	9.3	9.6	6.5 ^a						
LaSal Mountain (upper)	1/30	45	13.4	15.1	10.5 ^a	1/30	3.78	--	16.86	--	--
Monticello City Park	1/31	6	2.2	--	3.8 ^a						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/29	44	14.0	11.8	8.4 ^a	1/29	1.15	--	15.02	--	--
Bryce Canyon	1/31	16	2.7	6.8	3.3						
Castle Valley	1/28	36	10.7	13.9	6.8 ^a	1/28	1.41	--	14.26	--	--
Duck Creek R.S.	1/28	29	6.9	15.2	9.0	1/28	1.37	2.87	13.87	10.90	127
Harris Flat	1/28	20	4.5	10.4	6.0	1/28	1.00 ^a	--	7.32 ^a	--	--
Kimberly Mine	1/27	50	14.6	10.6	10.2 ^b	1/27	2.12	3.31 ^b	17.22	11.20	154
Midway Valley	1/28	43	12.8	23.7	13.3						
Panguitch Lake	1/27	18	4.5	9.0	3.7	1/27	0.72	--	7.54	--	--
Squaw Springs	1/29	31	7.8	7.4	5.0 ^a						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/30	42	13.3	8.7	8.1 ^a	1/30	0.83	--	19.01	--	--
Farnsworth Lake	1/29	54	18.1	13.2	11.6	1/29	1.00 ^a	3.09	15.75	11.64	135
G.B.R.C. Headquarters	1/30	53	18.8	12.4	10.1	1/30	1.11	2.98	19.21	11.52	167
G.B.R.C. Meadows	1/30	61	23.3	19.7	13.7	1/30	1.53	3.84	21.78 ^a	13.98	156
Gooseberry R.S.	1/29	37	11.6	8.0	7.4	1/29	0.84	2.45 ^b	13.72	7.49 ^b	183
Mammoth-Cottonwood Creek	1/30	64	25.1	15.3	13.5	1/30	0.80 ^a	3.84	25.10 ^a	12.34	203
Mt. Baldy R.S.	1/30	71	24.8	20.3	14.2 ^a	1/30	1.50 ^a	--	17.31 ^a	--	--
Oak Creek	1/26	44	12.8	14.4	8.4 ^a	1/26	1.21	--	17.58	--	--
Pickle Keg Springs	1/30	51	18.1	13.4	9.8 ^a	1/30	1.60 ^a	--	21.08 ^a	--	--
Pine Creek	1/26	61	20.6	16.2	9.4 ^a	1/26	2.00	--	25.84	--	--
Ree's Flat	1/26	43	13.8	12.9	8.2 ^a	1/26	1.23	--	16.83	--	--
Shingle Mill	1/31	34	10.9	7.7	5.9 ^b	1/31	1.00	2.10 ^b	16.75	10.25	163
Gooseberry Reservoir						1/31	1.04	3.71	22.30	12.09	184
BEAVER RIVER											
Beaver Race Track	1/31	0	0.0	0.3	--						
Big Flat	1/27	60	21.5	15.1	10.6	1/27	1.10	--	21.50 ^a	9.93	217
Merchant's Valley (upper)	1/27	44	14.1	12.6	8.0 ^b	1/27	0.97	--	15.80	9.18	172
Otter Lake	1/27	48	16.0	12.1	8.0						
PAROWAN CREEK											
Birch Crossing	1/30	28	7.0	7.1	5.0 ^b						
Brian Head	1/28	51	15.8	18.3	12.9 ^b						
Tall Poles	1/30	41	11.0	13.7	9.1 ^b	1/30	1.75	2.20 ^b	11.65	9.48 ^b	123
Yankee Reservoir	1/27	34	8.6	9.1	6.8 ^b	1/27	1.90	--	9.75	--	--
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	1/27	2	0.4	3.1	5.4 ^a	1/27	0.57	--	10.52	--	--
Long Flat	1/27	13	3.6	8.2	5.5 ^a	1/27	0.70	--	4.58	--	--
COAL CREEK											
Cedar City Golf Course	1/30	0	0.0	0.1	--						
SUSC Ranch	1/30	22	5.7	10.0	6.5 ^b						

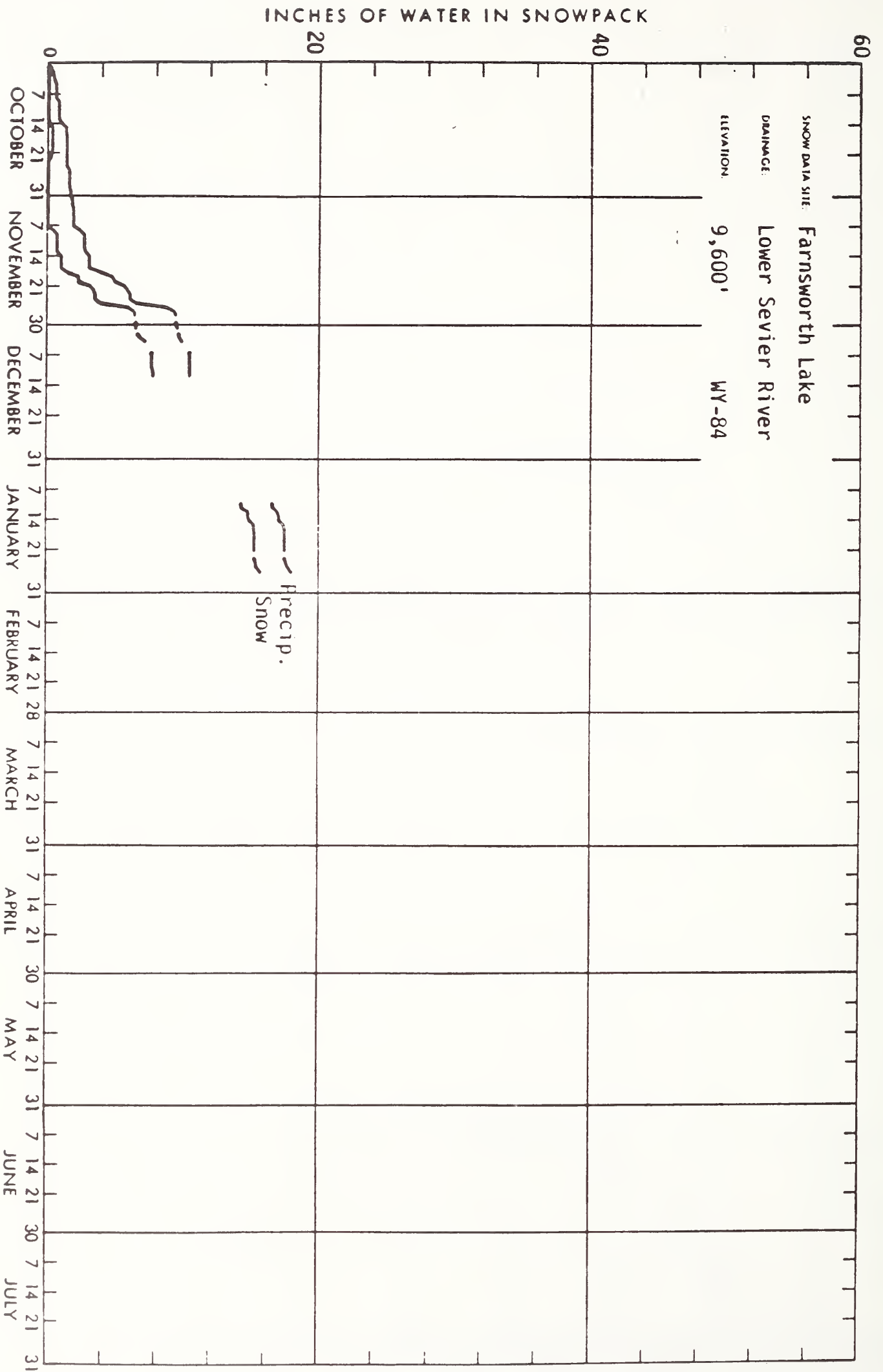
SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
ESCALANTE RIVER											
Widdsoe-Escalante #3	1/28	32	7.2	9.5	7.0	1/28	0.74	1.58	10.79	7.59	142
VIRGIN RIVER											
Kolob-Crystal	1/27	42	13.7	23.6	15.5 ^a	1/27	2.00 ^a	--	20.26 ^a	--	--
Long Valley Junction	1/27	12	4.0	8.7	4.3						
Webster Flat	1/28	31	9.0	20.8	10.9	1/28	1.99	3.48	13.99	11.62	120
a - Partly Estimated b - Average of past record in average period - less than 20 years † - 1961-80 20 year average period (A) - Aerial Marker Reading											

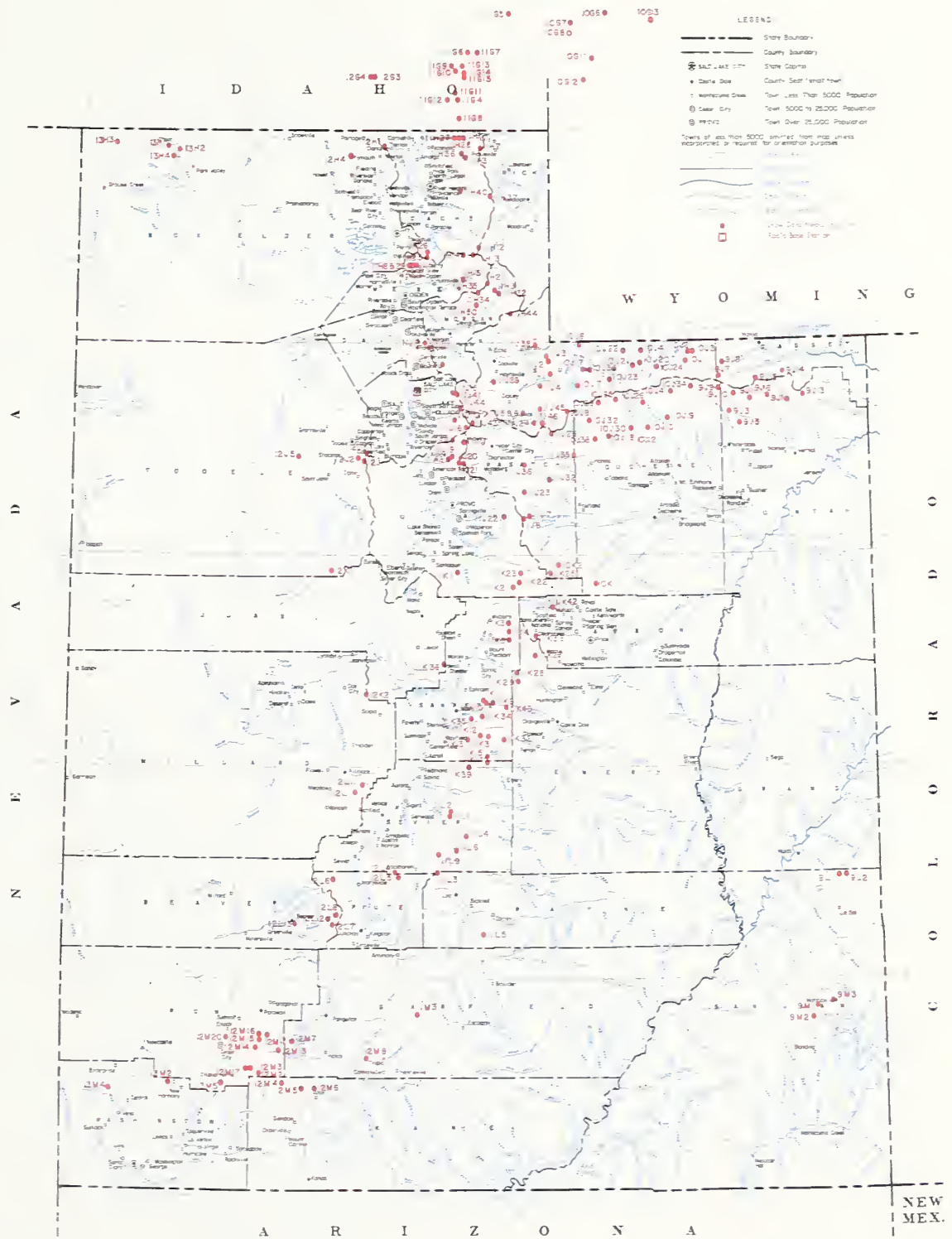








UTAH SNOW COURSE DATA MEASURING SITES 1983



SNOW COURSES AND RELATED DATA MEASURING SITES UTAH

1983

UTAH SNOW COURSE DATA MEASURING SITES 1983

ALBERTS EDUC. AREA PROJECT 24

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

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*"The Conservation of Water begins
with the Snow Survey"*

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